

دورات برمجة 1

تم إعادة كتابة جميع الدورات الموجودة بملفات الزميلة تبارك ووضعناهم في ملف واحد

مع حذف جميع الأسئلة المكررة

بالإضافة الى دورة الامارات F20 من ملف الزميلة بيان-XBayan

مع إضافة أكواد جديدة على الملف كتابة يزن الست

#ملاحظة مكتوبة على ملفات الزميلة تبارك: لطلب الملخصات وأسئلة الدورات والكورسات الأكاديمية والمهنية

التواصل على الرقم

Tbark 4 Wrold : 0937974873

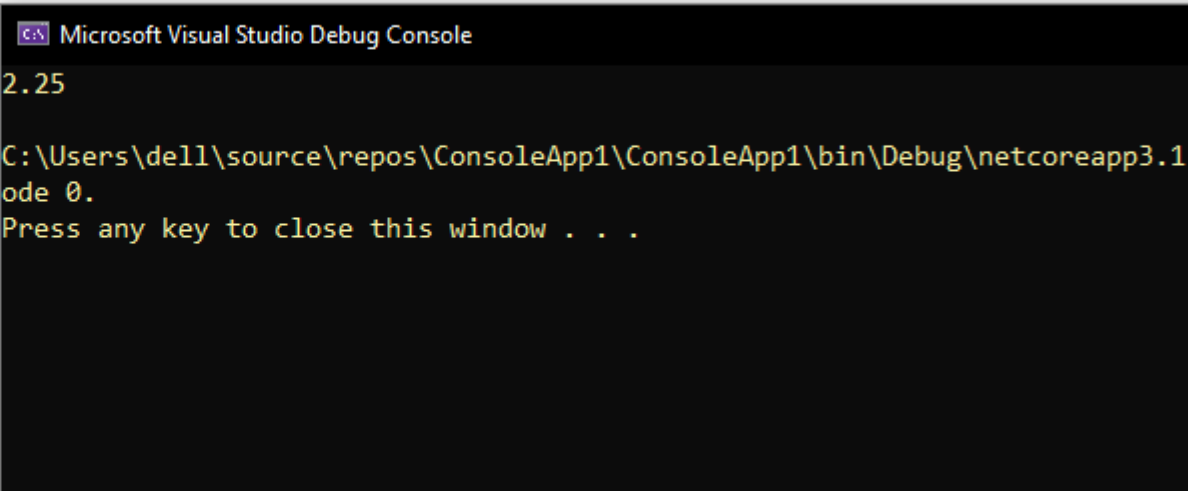
تم وضع خيارات تحت الكود (اختر الإجابة الصحيحة) للإجابة على السؤال دون النظر الى خرج البرنامج

إعداد: يزن الست – ماري حسين

Q1:

0 references

```
static void Main(string[] args)
{
    double i = 0, j = 0;
    for (; i<= 2 ; i++)
    {
        j = i + 1;
        i = i + 0.25;
    }
    Console.WriteLine(j);
}
```



- 2.25
- 1.25
- 0.25
- 25

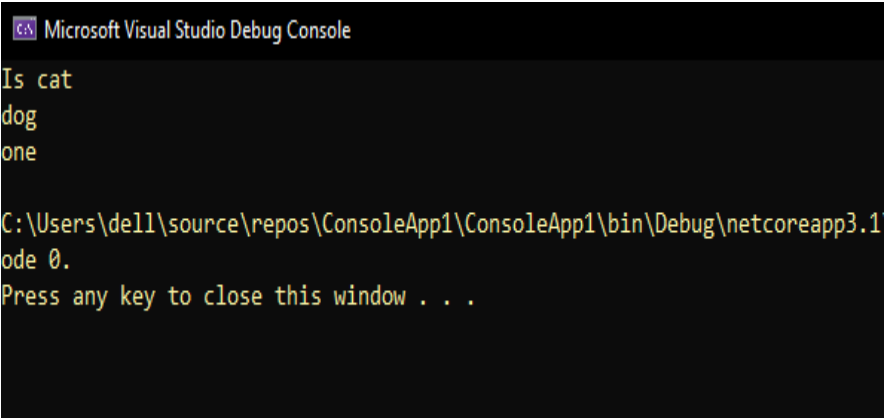
Q2:

0 references

```
static void Main(string[] args)
{
    string value1 = "cat";
    SetString1(ref value1);
    Console.WriteLine(value1);
    string value2;
    SetString2(1 , out value2);
    Console.WriteLine(value2);
}

1 reference
static void SetString1 (ref string value)
{
    if(value == "cat")
    {
        Console.WriteLine("Is cat");
    }
    value = "dog";
}

static void SetString2(int number , out string value)
{
    if (number == 1)
    {
        value = "one";
    }
    else
    {
        value = "carrot";
    }
}
```



- Is cat dog
- dog one
- Is cat carrot
- Is cat dog one

Q3:

0 references

```
static void Main(string[] args)
{
    float y = 5;
    v(y, 7);
    Console.WriteLine(y);
}
```

1 reference

```
static void v(float x , int k)
{
    x = x + k % 2;
}
```

Microsoft Visual Studio Debug Console

5

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1ode 0.
Press any key to close this window . . .

- 10
- 5
- 105
- 0

Q4:

0 references

```
static void Main(string[] args)
{
    string[] month = {"Jan","Feb","Mar","Apr","May","Jun","Jul",
    "Aug","Sep","Oct","Nov","Dec"};

    int[] days = { 31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31 };

    int k = 2;
    while(k <= 6)
    {
        Console.Write(month[k] + "," + days[k]);

        k = k + 3; // OR : k+=3;
    }
    Console.WriteLine();
}
```

Microsoft Visual Studio Debug Console

Mar,31Jun,30

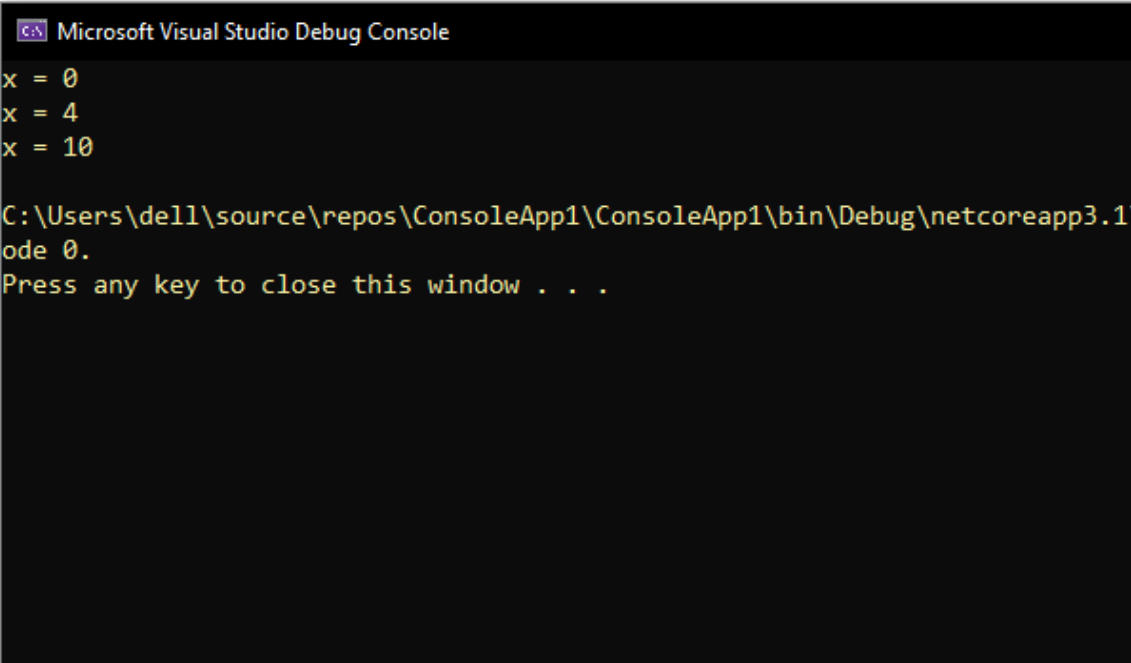
C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1de 0.
Press any key to close this window . . .

- Apr,30, Jun,31
- Feb,28, Mar,30
- Mar,31, Jun,30
- Jan,31, Feb,28

Q5:

0 references

```
static void Main(string[] args)
{
    int x = 0;
    for (; x < 10; x++)
    {
        if (x < 5)
        {
            Console.WriteLine("x = " + x);
            x += 3;
        }
        else
        {
            x++;
        }
    }
    Console.WriteLine("x = " + x);
}
```

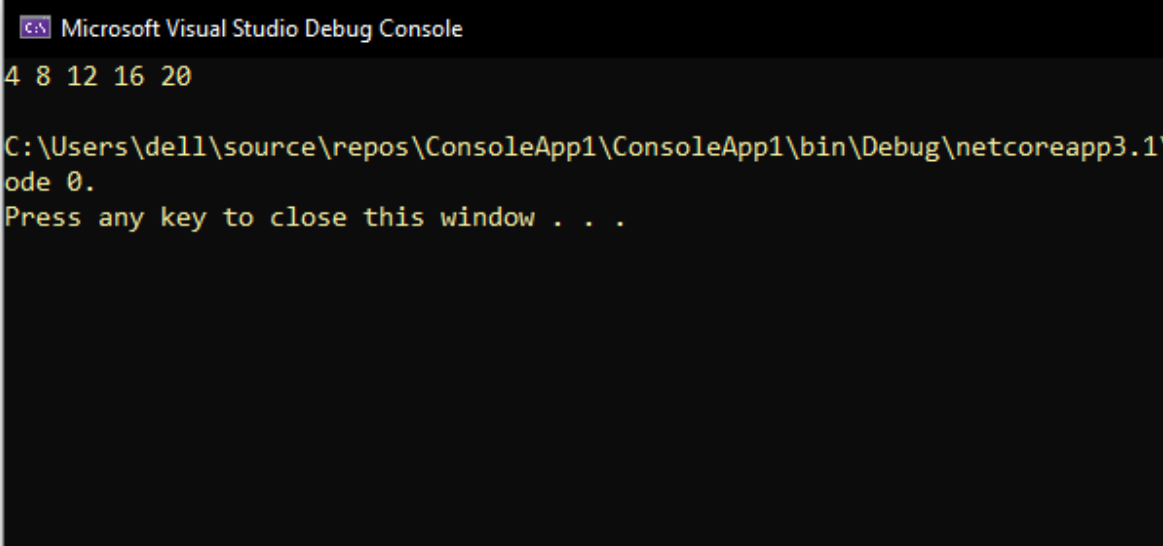


- **x = 0 x = 10 x = 4**
- **x = 4 x = 5 x = 3**
- **x = 0 x = 4 x = 3**
- **x = 0 x = 4 x = 10**

Q6:

0 references

```
static void Main(string[] args)
{
    int i, j = 1, k;
    for (i = 0; i < 5; i++)
    {
        k = j++ + ++j;
        Console.Write(k + " ");
    }
    Console.WriteLine("\n");
}
```



- **4 6 8 10 12**
- **6 8 10 14 16**
- **1 2 3 4 5 6**
- **4 8 12 16 20**

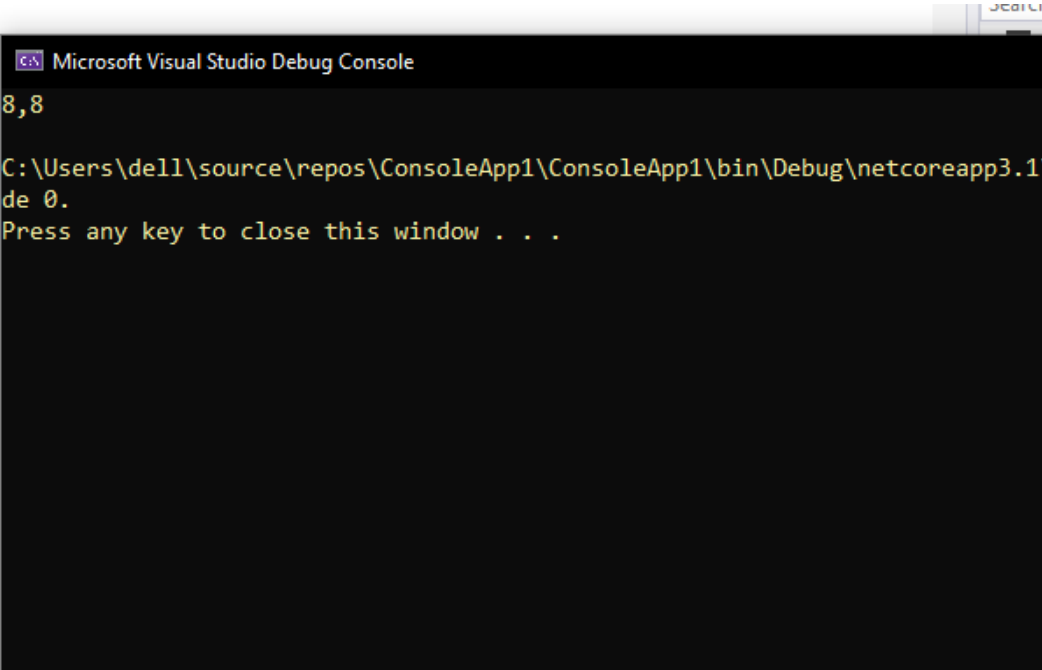
Q7:

0 references

```
static void Main(string[] args)
{
    Console.WriteLine(g(4) + g(5) + "," + g(6));
}
```

5 references

```
static int g(int k)
{
    if(k==1 || k == 2)
    {
        return 1;
    }
    else
    {
        return g(k - 1) + g(k - 2);
    }
}
```

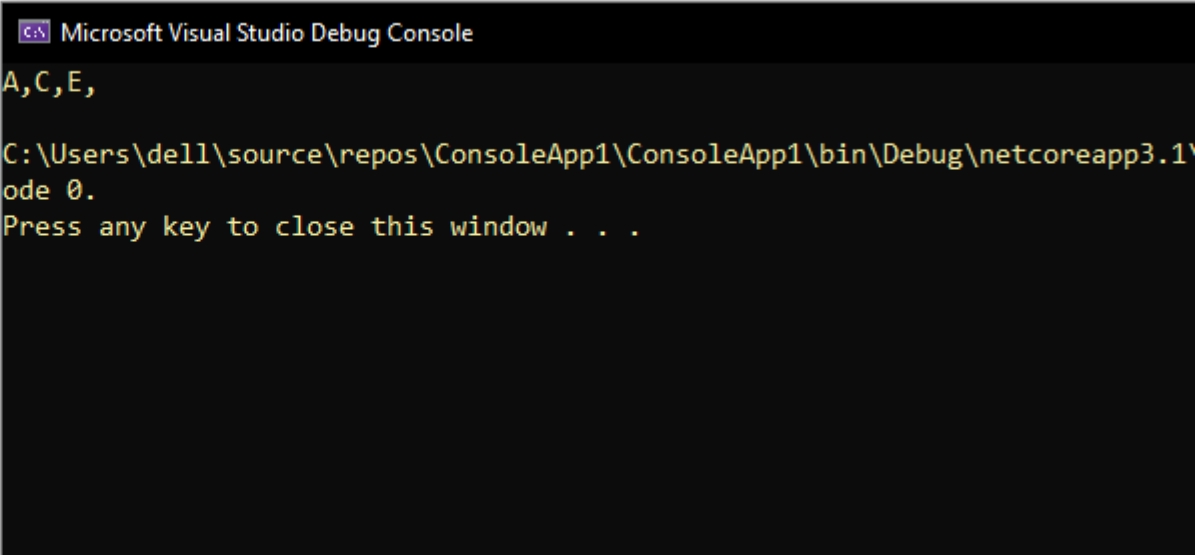


- 8,3
- 88,33
- 2,2
- 8,8

Q8:

0 references

```
static void Main(string[] args)
{
    int na = (int)'A'; int k;
    k = na;
    while (k <= na + 5)
    {
        Console.Write((char)k+",");
        k = k + 2;
    }
    Console.WriteLine(" ");
}
```

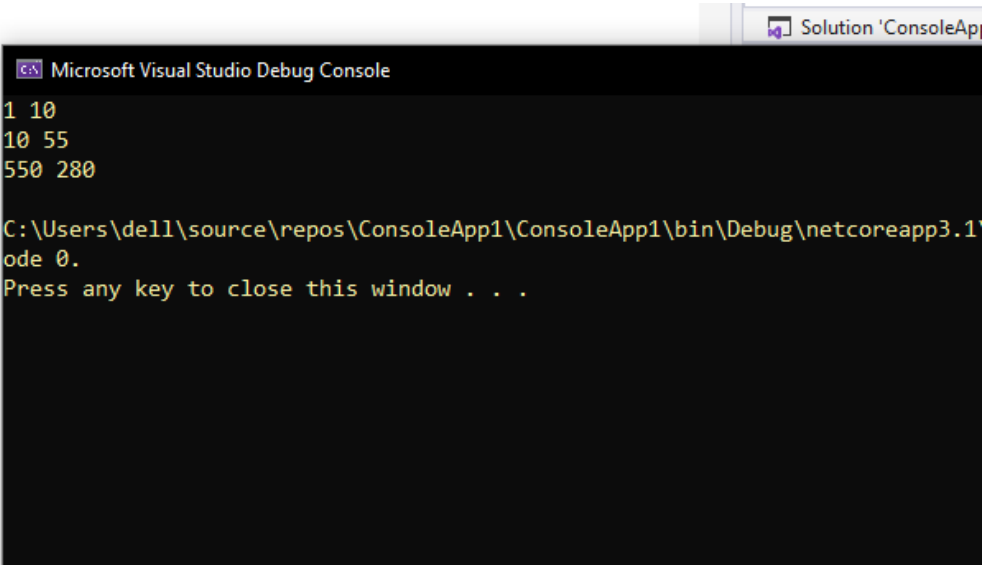


- A C E
- B D F
- A C E,
- A,C, E,

Q9:

0 references

```
static void Main(string[] args)
{
    int c = 1, v = 1;
    while (c <= 100)
    {
        v = v * c++;
        c = c * 5;
        Console.WriteLine(v + " " + c);
    }
}
```



- 1 10 10 55 550 280
- 280 550 55 10 10 1
- 55 10 1 10 550 280
- 550 280 10 10 55 1

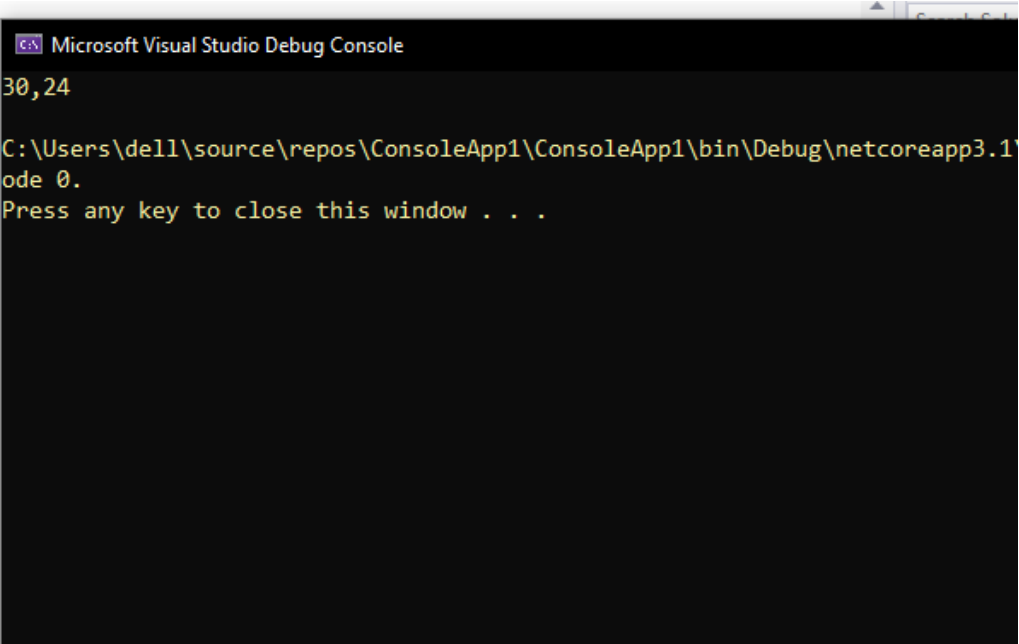
Q10:

0 references

```
static void Main(string[] args)
{
    Console.WriteLine(mul(3,4) + "," + mul(4,3));
}
```

2 references

```
static int mul(int a , int m)
{
    int r = 0;
    for (int i = 1; i <= m; i++)
    {
        r = r + i * a;
    }
    return r;
}
```

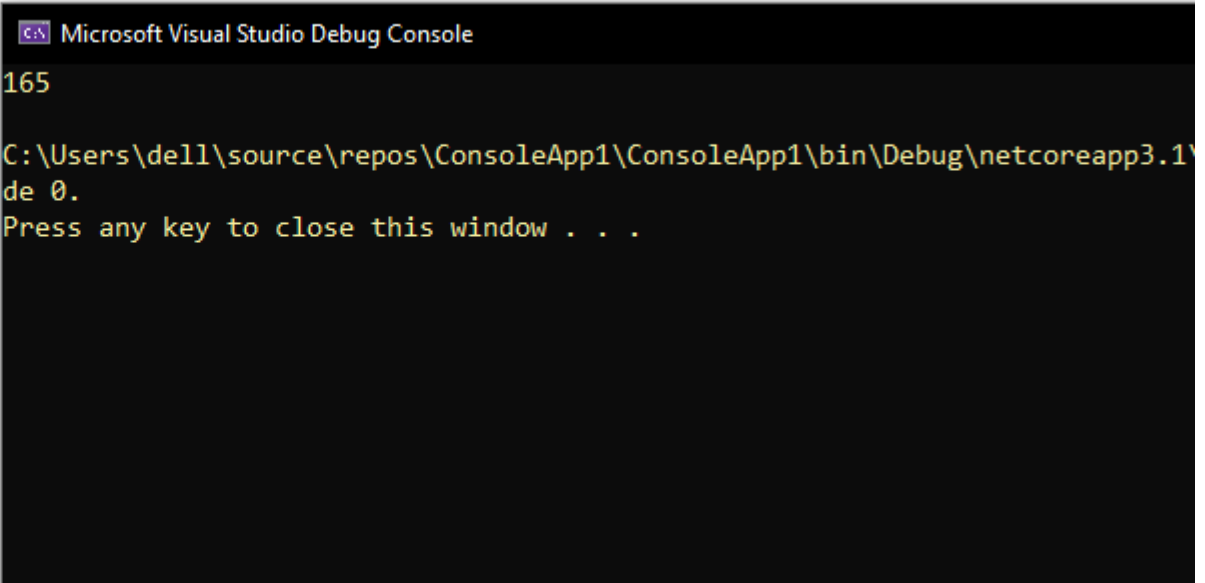


- 30 , 03
- 24 , 30
- 30 , 42
- 30 , 24

Q11:

0 references

```
static void Main(string[] args)
{
    int n = 561;
    int d;
    while(n > 0)
    {
        d = n % 10;
        n = n / 10;
        Console.Write(d);
    }
    Console.Write("\n");
}
```

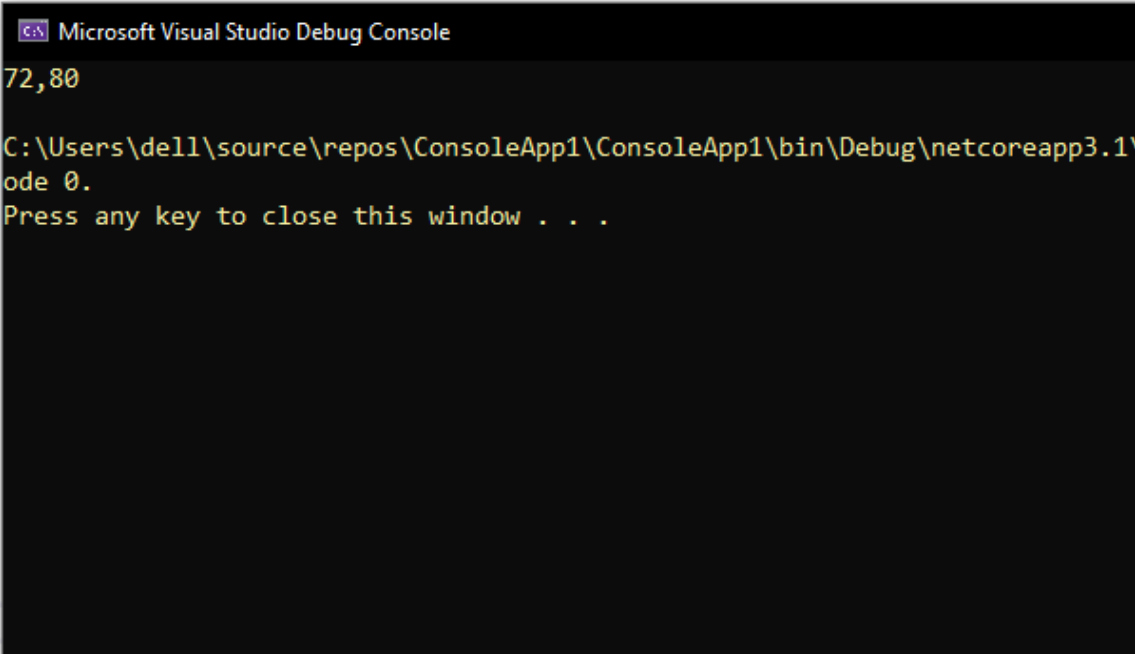


- 156
- 651
- 561
- 165

Q12:

0 references

```
static void Main(string[] args)
{
    int m = 18, o = 0, e = 0;
    for (int i = 2; i < m; i++)
    {
        if (i % 2 == 0)
            e = e + i;
        else
            o = o + i;
    }
    Console.WriteLine(e + "," + o);
}
```

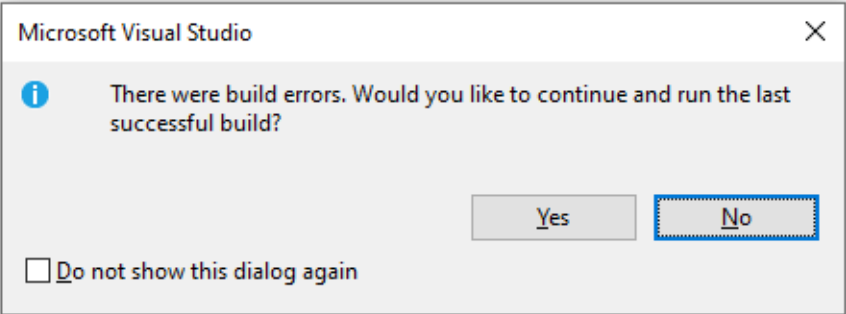


- 80,72
- 72,80
- 27,8
- 80,27

Q13:

0 references

```
static void Main(string[] args)
{
    int n;
    int[] a;
    Console.WriteLine("Enter n : ");
    n = int.Parse(Console.ReadLine());
    for (int i = 0; i < n; i++)
    {
        Console.Write("Enter n[" + i + "] : ");
        a[i] = int.Parse(Console.ReadLine());
    }
    Console.Write(" array ");
    for (int i = 0; i < n; i++)
    {
        Console.WriteLine("a[" + i + "] : " + a[i]);
    }
}
```

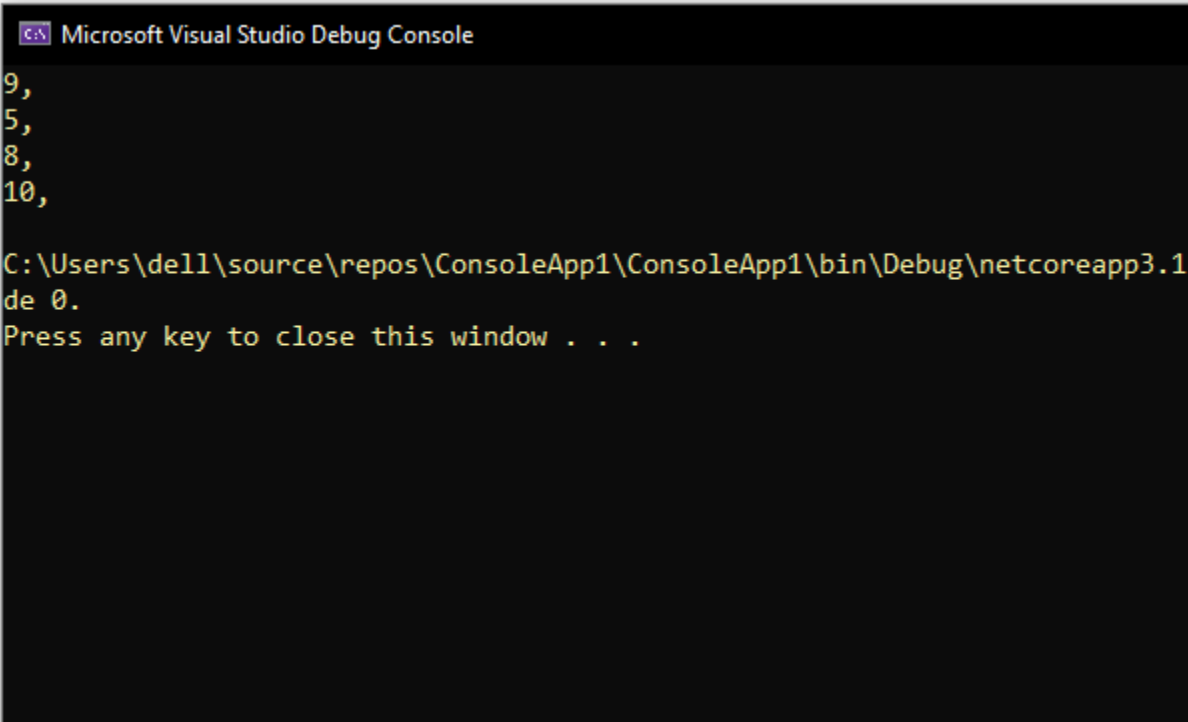


Q14:

0 references

```
static void Main(string[] args)
{
    int[] b = { 9, 10, 5, 8 };
    changeA(b);
    for (int i = 0; i <= b.Length-1 ; i++)
        Console.WriteLine(b[i] + ",");
}

1 reference
static void changeA(int[] a)
{
    int t; int n;
    n = a.Length;
    for (int j = 0; j <= n-2; j++)
        if(a[j] > a[j + 1])
        {
            t = a[j];
            a[j] = a[j + 1];
            a[j + 1] = t;
        }
}
```



- 9,10,5,8
- 9,5,10,8,
- 10,9,8,5
- 9,5,8,10

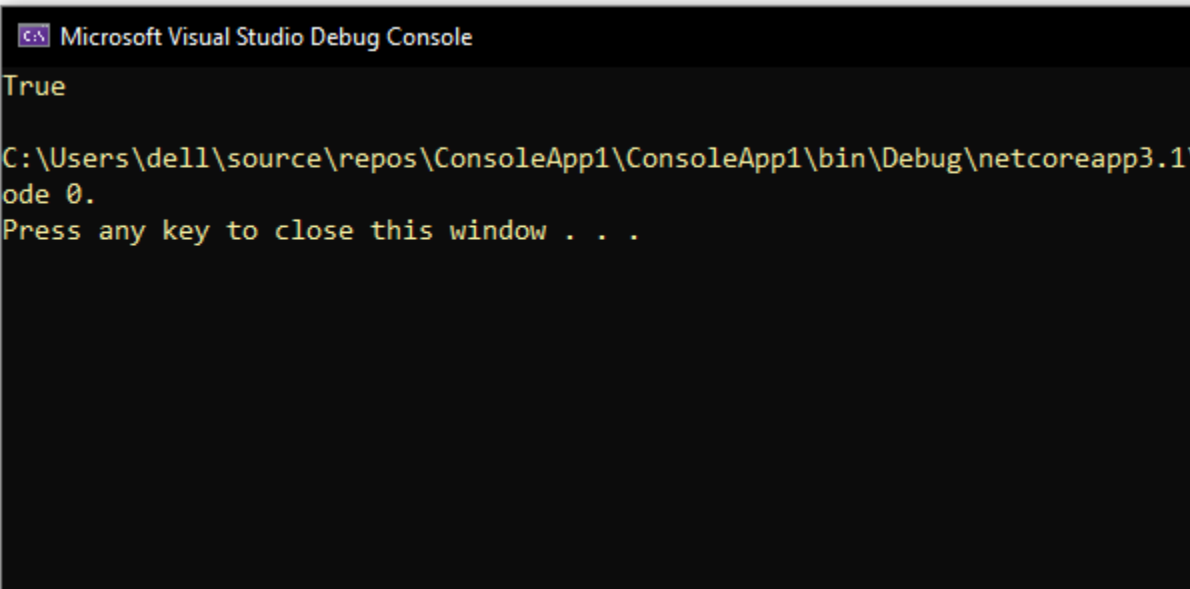
Q15:

```
0 references
static void Main(string[] args)
{
    bool eq;

    int n = 3;int m = 4;

    eq = (g(n) + g(m) == g(m + n));

    Console.WriteLine(eq);
}
3 references
static int g(int x)
{
    int t = 4;
    return t = x;
}
```



- True
- False
- 0
- 1

Q16:

```
0 references
static void Main(string[] args)
{

    int i = 0, n = 13;
    while (i <= n)
    {
        if ((i % 4 == 0) && (i > 4))
            break;
        Console.WriteLine("i = " + i);
        i += 1;
    }
}
```



- 1 2 3 4 5 6 7 8 9 10 11 12 13
- 0 2 4 6 8 10 12
- 1 3 5 7 9 11 13
- 0 1 2 3 4 5 6 7

Q17:

0 references

```
static void Main(string[] args)
{
    for (int i = 0; i <= 13; i++)
    {
        if ((i % 4 == 0) && (i > 4))
            continue;
        Console.WriteLine("i = " + i);
    }
}
```

Microsoft Visual Studio Debug Console

```
i = 0
i = 1
i = 2
i = 3
i = 4
i = 5
i = 6
i = 7
i = 9
i = 10
i = 11
i = 13

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1\de 0.
```

- 1 2 3 4 5 6 7 9 10 11 12 13
- 0 1 2 3 4 5 6 7 8 9 10 11 12
- 0 1 2 3 4 5 6 7 9 10 11 12 13
- 0 1 3 5 7 9 10 11 13

Q18:

0 references

```
static void Main(string[] args)
{
    int N = 4, m, i;
    int[] b;
    b = new int[N];
    for (i = 0; i <= N - 1; i++)
        b[i] = 2 * i;
    m = 2;
    aMod(m, b);
    Console.Write(m + ":");
    for (i = 0; i <= N - 1; i++)
        Console.Write(b[i] + ",");
    Console.WriteLine();
}
1 reference
static void aMod(int k , int[] v)
{
    for (int i = 0; i <= v.Length - 1; i++)
        v[i] = v[i] % k ;
    k = k + 2;
}
```

Microsoft Visual Studio Debug Console

```
2:0,0,0,0,

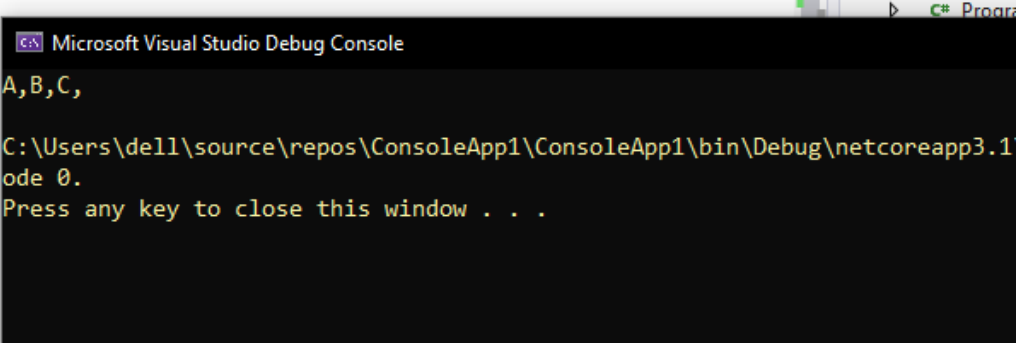
C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1\de 0.
Press any key to close this window . . .
```

- 10:0,0,0,0,
- 2:0,0,0,0,
- 2:1,1,1,1,
- 2:1,0,1,0,

Q19:

0 references

```
static void Main(string[] args)
{
    for (int k = 65; k <= 67; k++)
        Console.Write((char) k + ",");
    Console.Write("\n");
}
```



Microsoft Visual Studio Debug Console

A,B,C,

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1ode 0.
Press any key to close this window . . .

- A B C
- A,B,C
- C B A
- C,B,A

Q20:

ما نتيجة تنفيذ البرنامج التالي من أجل قيم الدخل التالية:

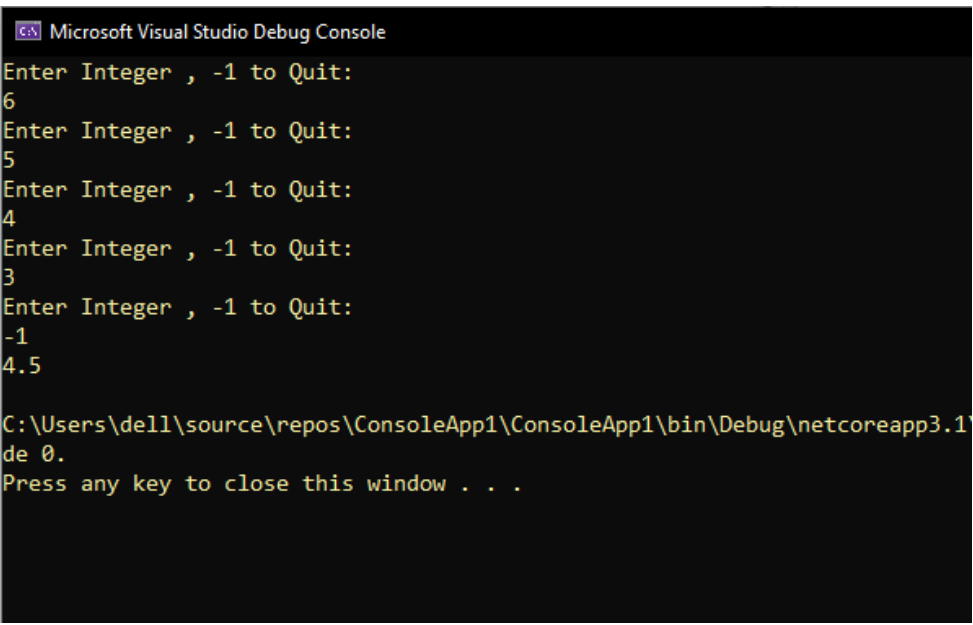
6 , 5 , 4 , 3 , -1

0 references

```
static void Main(string[] args)
{
    int total, gradeCounter, gradeValue;
    total = 0; gradeCounter = 0; gradeValue = 0;
    string Sn;

    do
    {
        total = total + gradeValue;
        Console.WriteLine("Enter Integer , -1 to Quit: ");
        Sn = Console.ReadLine(); gradeValue = int.Parse(Sn);
        gradeCounter = gradeCounter + 1;
    } while (gradeValue != -1);

    if(gradeCounter != 1)
        Console.WriteLine((double)total / (gradeCounter-1));
}
```



Microsoft Visual Studio Debug Console

Enter Integer , -1 to Quit:
6
Enter Integer , -1 to Quit:
5
Enter Integer , -1 to Quit:
4
Enter Integer , -1 to Quit:
3
Enter Integer , -1 to Quit:
-1
4.5

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1ode 0.
Press any key to close this window . . .

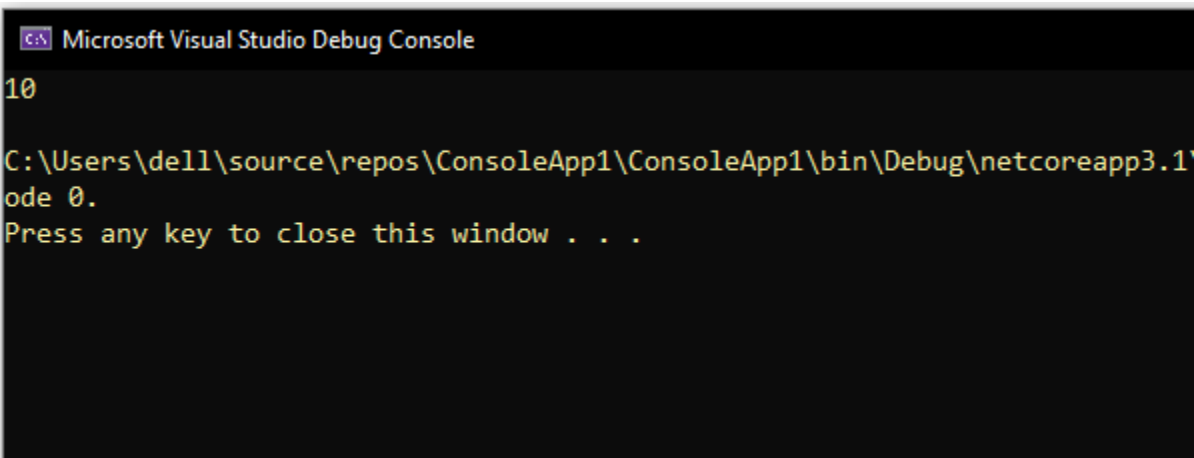
- 4.25
- 4
- (double)total / (gradeCounter-1)
- 4.5

Q21:

0 references

```
static void Main(string[] args)
{
    float x = 10;
    r(x, 2);
    Console.WriteLine(x);
}

1 reference
public static void r(float a , int k)
{
    a = a + k + k / 2;
}
```



- 10
- 10,2
- 13
- 17

Q22:

0 references

```
static void Main(string[] args)
{
    int x, y, g;

    x = 0;y = 15;

    while (x != y) {
        if (x > y)
            x = x - y;
        else
            y = y - x;
    }
    g = x;
    Console.WriteLine(g);
}
```



- 1
- 13
- g
- حلقة لا نهائية

↓ شرح التمرين:

دخلنا بحلقة لا نهائية في الكود السابق والسبب:

المتحولين x, y

$x = 0, y = 15$

شرط توقف الحلقة في حال تساوت قيمة x وقيمة y

عندما قمنا باختبار شرط الحلقة لاحظنا تحقق الشرط

لان $0 \neq 15$

دخلنا الى مضمون الحلقة

```
if (x > y)
    x = x - y;
else
    y = y - x;
```

في حال تحقق الشرط نفذ : $x = x - y$

وفي حال عدم تحقق الشرط نفذ : $y = y - x$

نلاحظ ان الشرط غير محقق

ننتقل الى تعليمة else

$y = y - x;$

$y = 15 - 0;$

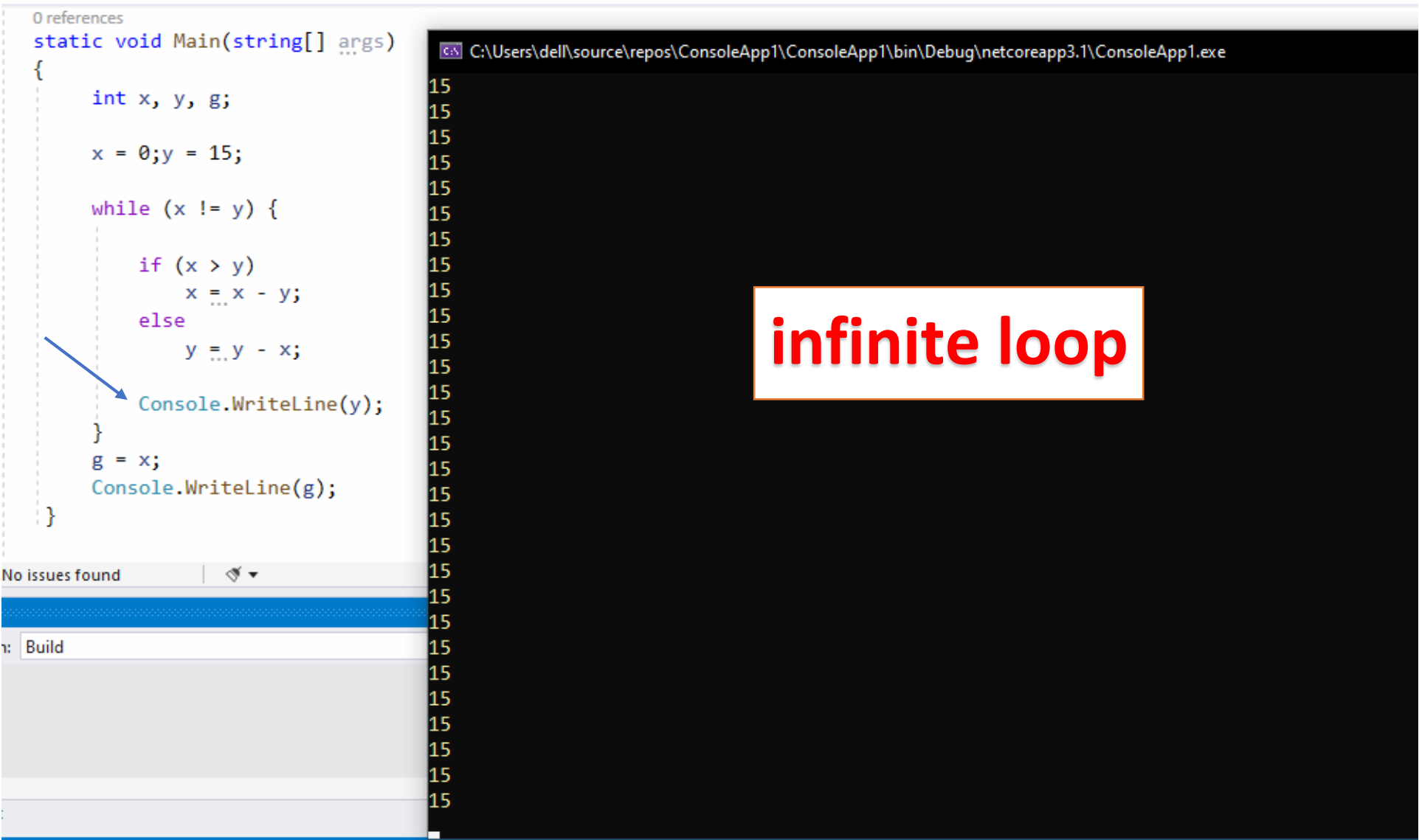
$y = 15;$

نعود الى شرط الحلقة نلاحظ ان القيمتين التي تم تعويضهم في اختبار الشرط اول مرة

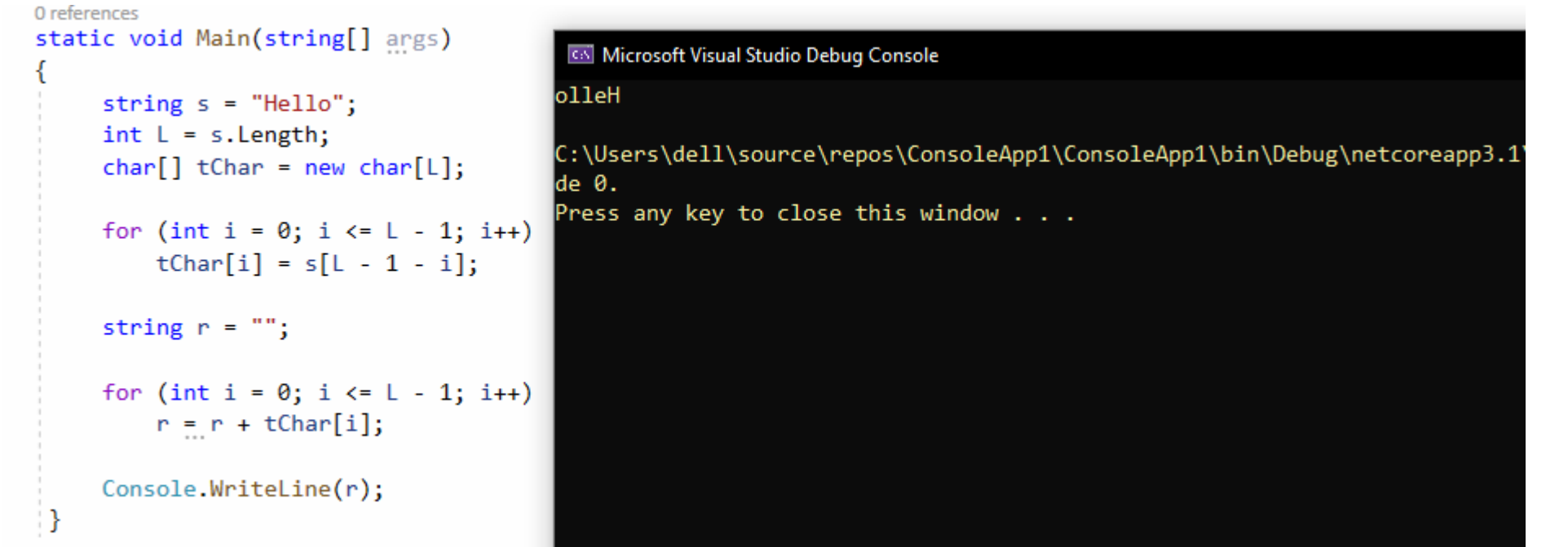
هنا نفس القيمتين في اختبار الشرط بالمرّة الثانية

النتيجة : نلاحظ ان قيمة y لا تتغير وقيمة x لا تتغير اذاً شرط الحلقة لن يتم كسره وسندخل في حلقة لانهاية ولو اردنا التأكد نضع تعليمة طباعة داخل مضمون الحلقة لنرى ان الكود دخل في حلقة لا نهائية من طباعة المطلوب





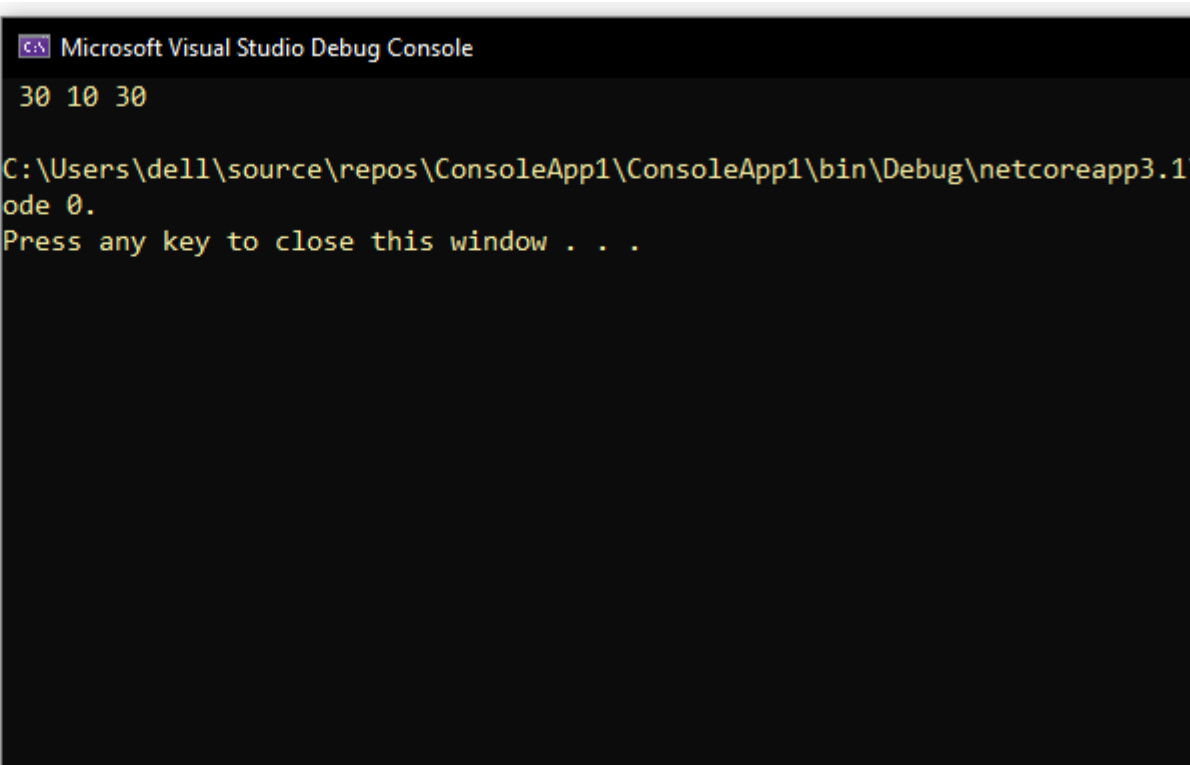
Q23:



- olleH
- r
- Hello
- لا شيء

Q24:

```
static int n = 20;
0 references
static void Main(string[] args)
{
    pnx();
    pn();
    p();
    Console.WriteLine(" ");
}
1reference
static void p()
{
    Console.Write(" " + n);
}
1reference
static void pn()
{
    int n = 10; Console.Write(" " + n);
}
1reference
static void pnx()
{
    n = 30; Console.Write(" " + n);
}
```



- 10 30 30
- 30 30 10
- 30 30 30
- 30 10 30

Q25:

```
0 references
static void Main(string[] args)
{
    Console.WriteLine(g(4) + g(5) + " " + g(6));
}
5 references
static int g(int k)
{
    if ((k == 1) || (k == 2))
        return 1;
    else
        return g(k - 1) + g(k - 2);
}
```



- 5 8
- 8 6
- 6 6
- 8 8

Q26:

0 references

```
static void Main(string[] args)
{
    Console.Write(g(0,5) + ",");
    Console.Write(g(12,-6) + ",");
    Console.Write(g(15,5));
    Console.WriteLine();
}
3 references
static int g(int a , int b)
{
    a = Math.Abs(a);b = Math.Abs(b);
    while (a!=0 && b!=0)
    {
        if (a > b)
            a = a % b;
        else
            b = b % a;
    }
    if (b == 0) return a; else return b;
}
```

Microsoft Visual Studio Debug Console

```
5,6,5

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1
de 0.
Press any key to close this window . . .
```

- 6,5,6
- 5,6,5
- 5,6,1
- 1,5,6

Q27:

0 references

```
static void Main(string[] args)
{
    int m , o ,e;
    m = 10; o = 0; e = 0;
    for (int i = 2; i < m; i++)
        if (m % i == 0)
        {
            if (i % 2 == 0)
                e = e + i;
            else
                o = o + i;
        }
    Console.WriteLine(e + " , " + o);
}
```

Microsoft Visual Studio Debug Console

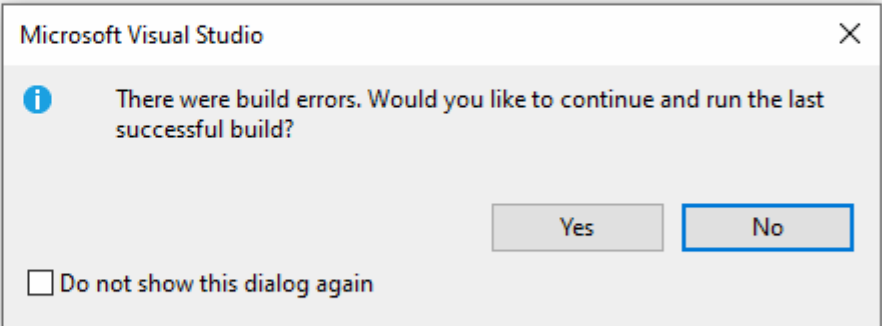
```
2 , 5

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1
ode 0.
Press any key to close this window . . .
```

- 2,51
- 8,12
- 2,5
- 8,8

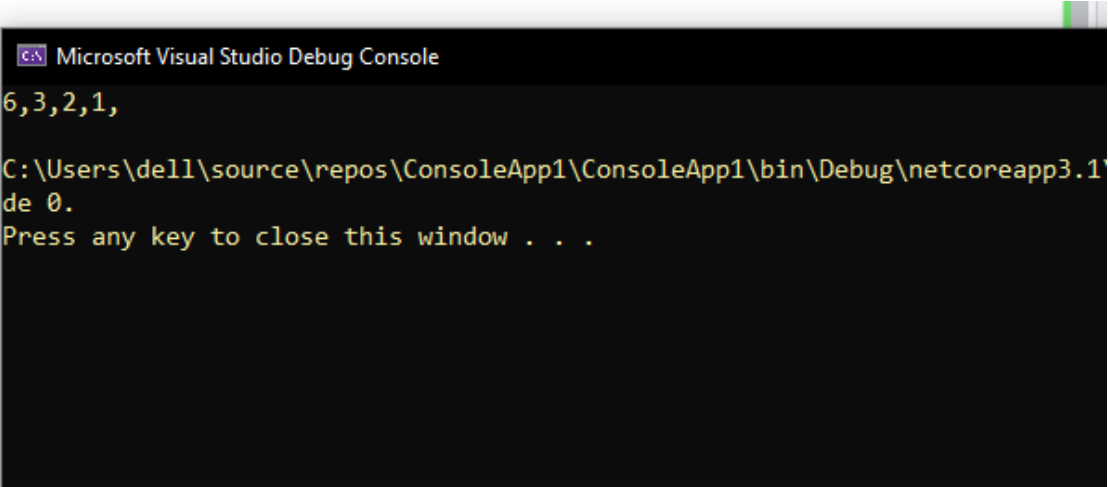
Q28:

```
static void Main(string[] args)
{
    int n = 20;
    p();
    pn();
    p();
    pnx();
    p();
}
3 references
static void p()
{
    Console.WriteLine("in p()"+ n);
}
1 reference
static void pn()
{
    n = 5; Console.WriteLine("in pn()"+ n);
}
1 reference
static void pnx()
{
    n = 15; x = 10; Console.WriteLine("in pnx()"+ n);
}
```



Q29:

```
0 references
static void Main(string[] args)
{
    int[] ai = new int[4];
    for (int m = 0; m <= 3; m++)
        ai[m] = 6 / (m + 1);
    for (int n = 0; n <= 3; n++)
        Console.Write(ai[n] + ",");
    Console.WriteLine(" ");
}
```

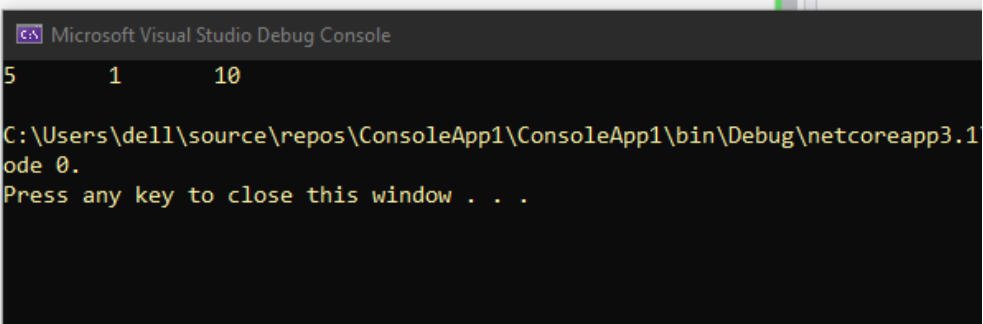


- 0,0,0,1,
- 0,6,3,3
- 6,3,2,1
- ai[n]

Q30:

0 references

```
static void Main(string[] args)
{
    int x = 4, y = 2;
    int z = y-- * ++x;
    Console.WriteLine(x + "\t" + y + "\t" + z);
}
```

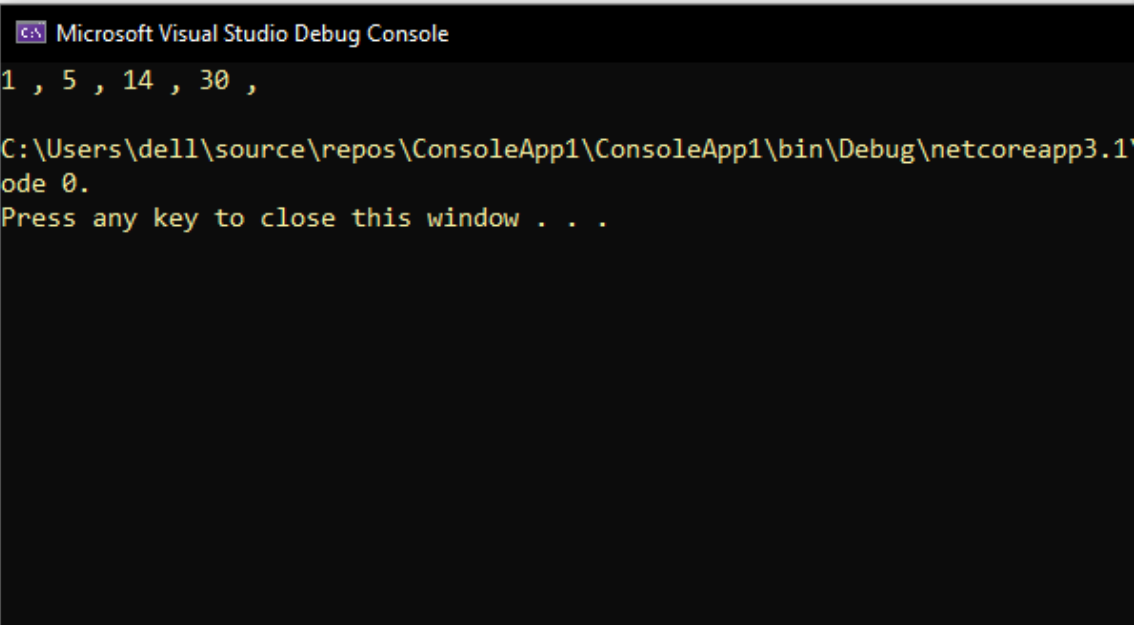


- 5 1 10
- 10 1 5
- 8 4 2
- 2 4 8

Q31:

0 references

```
static void Main(string[] args)
{
    int n, i, s;
    n = 4;
    s = 0;
    i = 1;
    while (i <= n)
    {
        s = s + i * i;
        i = i + 1;
        Console.Write(s + " , ");
    }
    Console.WriteLine();
}
```

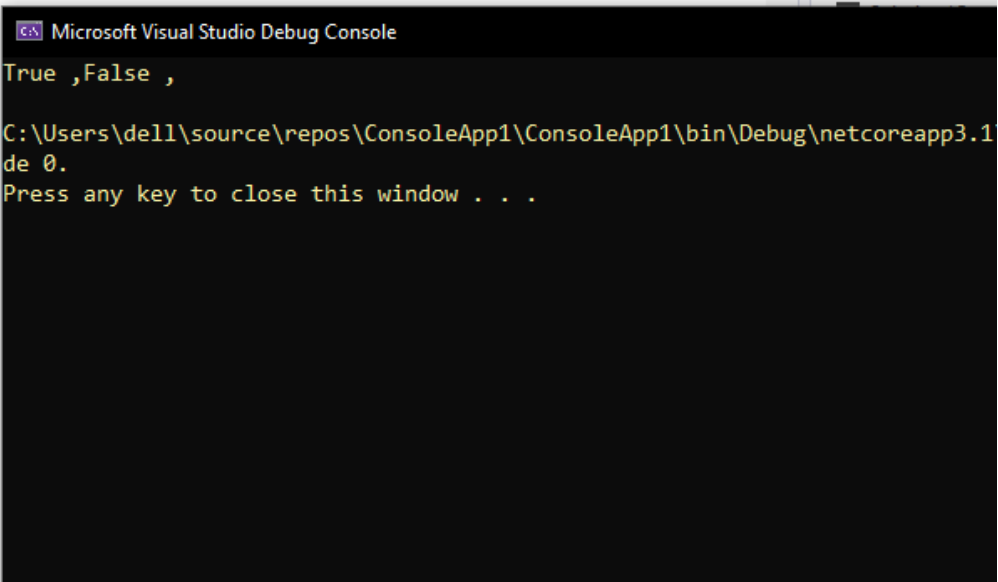


- 1 , 5 , 30 , 14
- 14 , 5 , 30 , 1
- 1 , 5 , 14 , 30
- 5 , 14 , 30 , 1

Q32:

0 references

```
static void Main(string[] args)
{
    int[] p = { 25, 55 };
    int[] x = { 35, 40 };
    bool r;
    for (int i = 0; i <= 1 ; i++)
    {
        r = (x[i] < 40 || (x[i] + p[i]) < 50);
        Console.Write(r + " ,");
    }
    Console.WriteLine("\n");
}
```

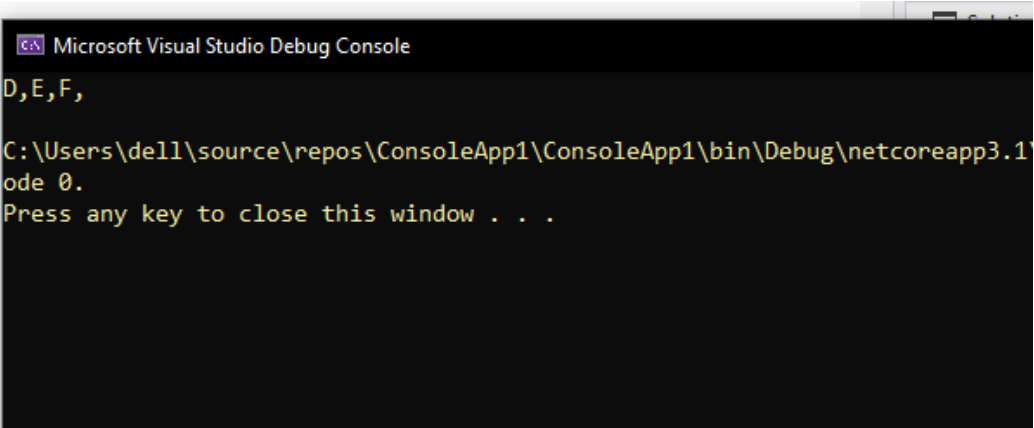


- True , True
- False , True
- False , False
- True , False

Q33:

0 references

```
static void Main(string[] args)
{
    int nb = (int)'B';
    int k;
    for ( k = nb; k <= nb+2; k++)
        Console.Write((char)(k+2) + ",");
    Console.WriteLine(" ");
}
```



- A,B,C
- B,C,D,
- Error
- D,E,F,

Q34:

0 references

```
static void Main(string[] args)
{
    double c, p;
    c = 25000;
    if (c < 10000)
        p = c * 0.10;
    else if (c < 20000)
        p = 1000 + (c - 10000) * 0.20;
    else
        p = 3000 + (c - 20000) * 0.30;

    Console.WriteLine(p);
}
```

Microsoft Visual Studio Debug Console

4500

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1\ode 0.
Press any key to close this window . . .

- 450
- 540
- 5400
- 4500

Q35:

0 references

```
static void Main(string[] args)
{
    bool equal;
    int n = 3; int m = 4;
    equal = (g(n) + g(m) == g(n+m));
    Console.WriteLine(equal);
}
```

3 references

```
static int g(int x)
{
    int t = 4;
    return t * x;
}
```

Microsoft Visual Studio Debug Console

True

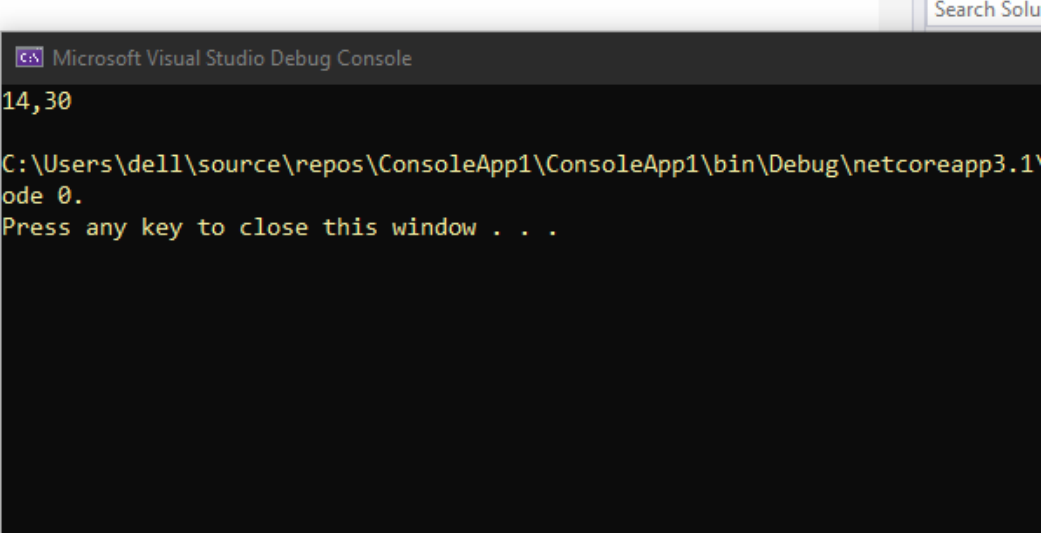
C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1\ode 0.
Press any key to close this window . . .

- True
- False
- equal
- 12 + 6 == 28

Q36:

0 references

```
static void Main(string[] args)
{
    Console.Write(sn2eq(3) + ",");
    Console.WriteLine(sn2eq(4));
}
2 references
static int sn2eq(int n)
{
    return n * (n + 1) * (2 * n + 1) / 6;
}
```

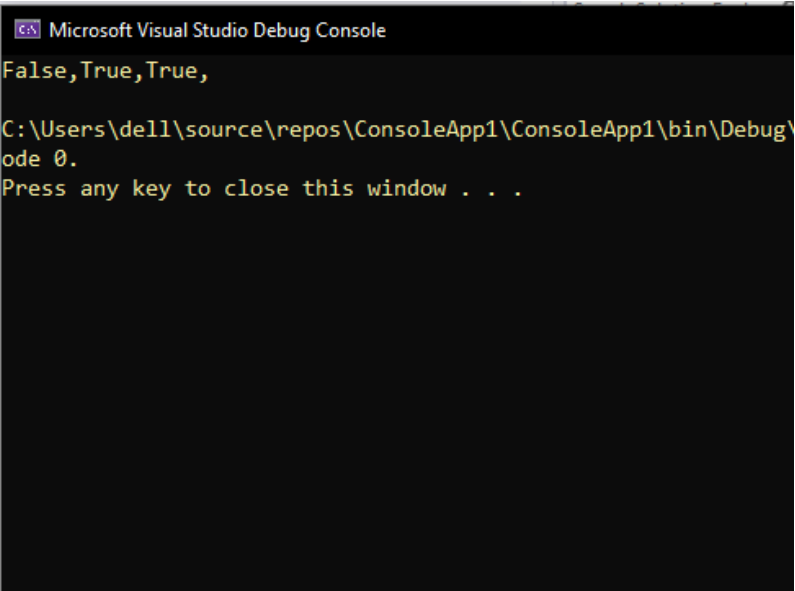


- 14 , 30
- 3 , 4
- 4 , 3
- 30 , 4

Q37:

0 references

```
static void Main(string[] args)
{
    int[] sXam = { 60, 45, 55 };
    int[] sPract = { 20, 10, 4 };
    int n = sXam.Length;
    bool[] Failure = { true, true, true };
    for (int i = 0; i <= n - 1; i++)
        if ((sXam[i] >= 40) && (sXam[i] + sPract[i] >= 60))
            Failure[i] = !true;
    for (int i = 0; i <= n-1; i++)
        Console.Write(Failure[i] + ",");
    Console.WriteLine();
}
```



- True , False , False,
- False , True , True
- True , True , True
- False , False, False

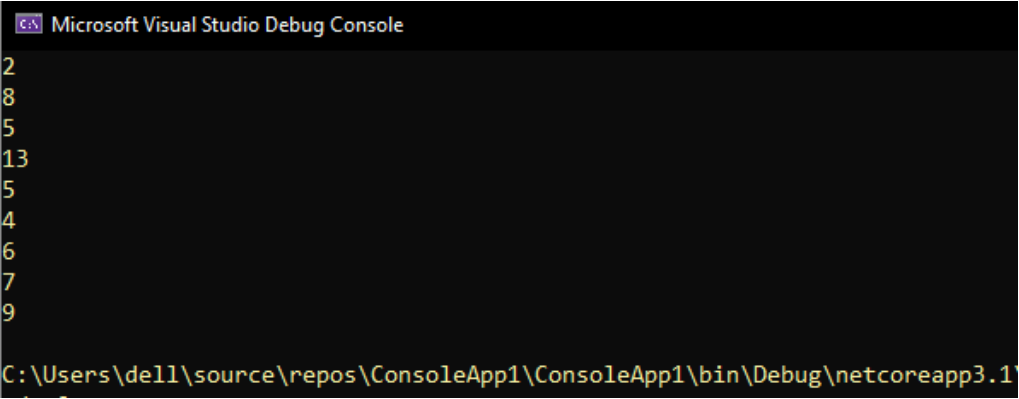
دورة F20

Q38:

فليكن الخرج التالي: 6 , 10 , 110 , 14 , 15 , 0 , 26 , 8

ما هي القيم المقبولة من الخرج؟

```
0 references
static void Main(string[] args)
{
    Random rand = new Random();
    for (int i = 0; i <= 8 ; i++)
    {
        Console.WriteLine(rand.Next(15));
    }
}
```



- 0 , 10 , 15 , 6 , 8
- 10 , 14 , 15 , 26
- 0 , 6 , 110 , 8 , 14
- 6 , 10 , 14 , 0 , 8



شرح التمرين:

التابع Random هو تابع لتوليد ارقام / أحرف بشكل عشوائي
في الكود السابق سنقوم بتوليد 8 ارقام حسب شرط الحلقة for حيث ان مجال الأرقام من [0 ,15[

والرقم 15 مجال مفتوح لا نقوم بأخذه

أي الأرقام التي ستظهر هي: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

بشكل عشوائي

Q39:

0 references

```
static void Main(string[] args)
{
    int i = 5;
    int x = ++i;
    int y = i++;
    Console.WriteLine(x + " " + y);
}
```

Microsoft Visual Studio Debug Console

6 6

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1
ode 0.
Press any key to close this window . . .

- 5 6
- 6 5
- 5 5
- 6 6

Q40:

أي من التالي لا يصلح للاستخدام ان يكون اسم متحول:

- INT
- double
- _xy
- _3c
- float
- e(4)

0 references

```
static void Main(string[] args)
{
    int INT = 4;
    int double = 5;
    int _xy = 6;
    int _3c = 10;
    int float = 15;
    int e(4) = 20;
}
```

← كلمة محجوزة

← كلمة محجوزة

← يوجد رموز ()

Q41:

0 references

```
static void Main(string[] args)
{
    int i , j = 0;

    for (i = 0; i <= 10 ; i++)
    {
        for (j = 0; j <= 10 ; j++)
        {
            Console.WriteLine(i + " " + j);
        }
    }
}
```

Microsoft Visual Studio Debug Console

```
11 11

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1
ode 0.
Press any key to close this window . . .
```

- 11 11
- 10 11
- 11 10
- 10 10

Q42:

3 references

```
static int rec (int n)
{
    if (n < 3)
    {
        return 1;
    }
    else
    {
        return n * rec(n - 2);
    }
}
```

0 references

```
static void Main(string[] args)
{
    Console.WriteLine(rec(7) + " " + rec(8));
}
```

Microsoft Visual Studio Debug Console

```
105 192

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1
ode 0.
Press any key to close this window . . .
```

- 7 8
- 185 192
- 8 7
- 35 291

Q43:

0 references

```
static void Main(string[] args)
{
    int[,] a =
    {
        { 1, 2, 3, 4 }, { 4, 3, 2, 1 }, { 2, 1, 4, 3 }
    };

    int s = 0;

    for (int i = 0; i < 3; i++)
    {
        for (int j = 0; j < 3; j++)
        {
            if(a[i,j] > 2)
            {
                s += a[i, j];
            }
        }
    }
    Console.WriteLine(s);
}
```

C:\N Microsoft Visual Studio Debug Console

14

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1ode 0.
Press any key to close this window . . .

- 28
- 12
- 15
- 14

Q44:

0 references

```
static void Main(string[] args)
{
    int[] a = { 1, 5, 6, 8, 1, 2, 10, 50, 30, 600, -4, 1, 200, 600, 200, 30 };
    int x = a[0];
    int i = 0;
    for (int j = 0; j < a.Length; j++)
    {
        if(a[j] < x)
        {
            x = a[j];
            i = j;
        }
    }
    Console.WriteLine(i);
}
```

C:\N Microsoft Visual Studio Debug Console

-4

C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1ode 0.
Press any key to close this window . . .

- 1
- 0
- -4
- 6

Q45:

0 references

```
static void Main(string[] args)
{
    int src, result, a, b, c, d;
    src = 9147;
    a = src % 10;
    b = src / 10%10;
    c = src / 100 % 10;
    d = src / 1000;
    result = a * 1000 + b * 100 + c * 10 + d;
    Console.Write(result + " ");

    a = (a + 4) % 10;
    b = (b + 4) % 10;
    c = (c + 4) % 10;
    d = (d + 4) % 10;
    result = d * 100 + c * 1000 + a * 10 + b;
    Console.Write(result);
}
```

Microsoft Visual Studio Debug Console

```
7419 5318
C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1
de 0.
Press any key to close this window . . .
```

- 9147 8135
- 7419 5318
- 5318 7419
- 8135 9147

Q46:

0 references

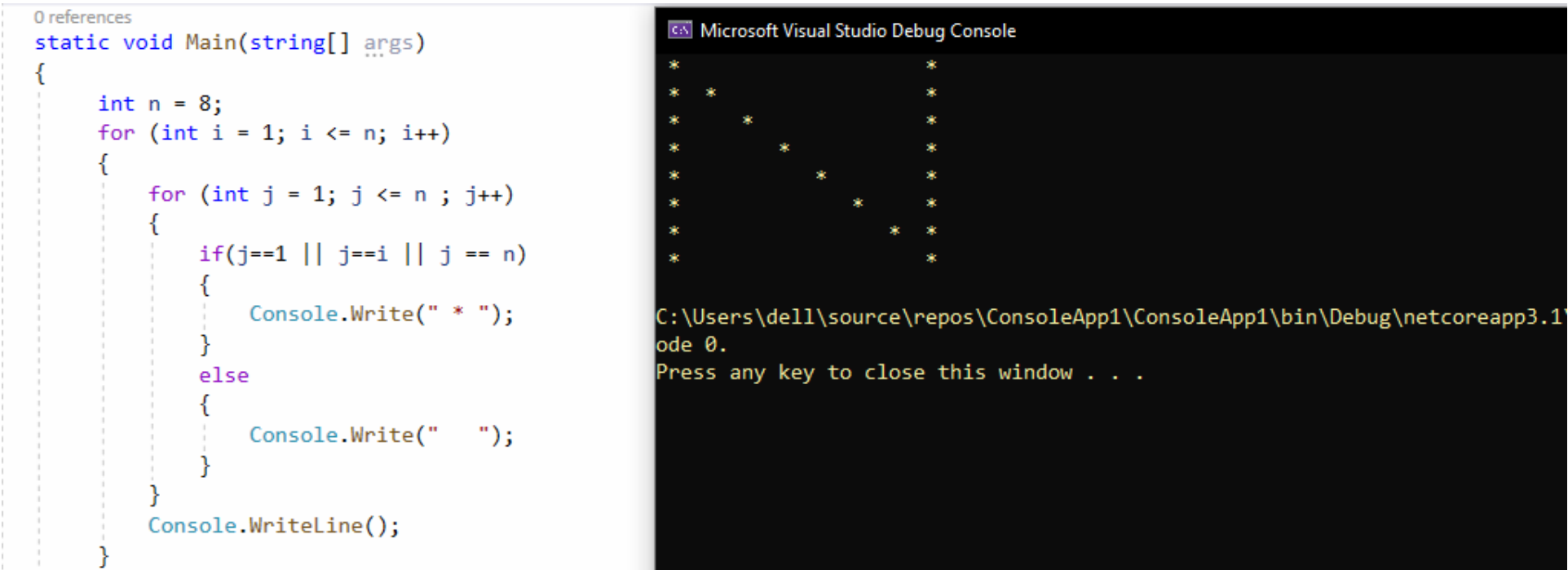
```
static void Main(string[] args)
{
    int[] x = { 1, 2, 3, 4, 5, 6 };
    int[] y = { 10, 20, 30, 40, 50, 60 };
    SwapArray(x, y);
    Console.WriteLine(x[0] + " " + y[0]);
}
1 reference
static void SwapArray(int[] a, int[] b)
{
    for (int i = 0; i < a.Length; i++)
    {
        int z = a[i];
        a[i] = b[i];
        b[i] = z;
    }
}
```

Microsoft Visual Studio Debug Console

```
10 1
C:\Users\dell\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1
ode 0.
Press any key to close this window . . .
```

- 10 1
- 10 10
- 1 8
- 9 2

Q47:



- Y
- M
- N
- E

نماذج من كورس يزن

N1 : https://docs.google.com/forms/d/e/1FAIpQLScKMUHDM8_5b9QRZJxbvA4Iy1rwdhz9blvHWjYKHsdWRwMlow/viewform?usp=sf_link

N2 : https://docs.google.com/forms/d/e/1FAIpQLSdBwXxlNgBts6GDe24fZDjNk9o4CqKREJznms-GQ0WrVTjeAQ/viewform?usp=sf_link

N3 : https://docs.google.com/forms/u/1/d/1A6cWLw1-5Zjx6PltK_o5CYNfOYaoOV8fDepjm7eieqQ/edit?usp=forms_home

N4 : <https://docs.google.com/forms/d/127lo6kYqzKwA72gE7Scgoxbe2vKkaxwr331P89wSuUI/edit>

N5 : https://docs.google.com/forms/d/e/1FAIpQLSdS8c4TF_ltGrkxRo-U6k9UE3afeqCE1Q5-VwrjU-sJccclQ/viewform?usp=sf_link

N6 : https://docs.google.com/forms/d/e/1FAIpQLSf-a1kN9vvSdu5sA37CQ2VrtHQULTelgDAImDlMsGGRGlcLw/viewform?usp=sf_link

N7 : https://docs.google.com/forms/d/e/1FAIpQLSebdm7ZYy6ljGV51RRhrE4GYtbgcqzOkYyI9_ih9rYcbOQApq/viewform?usp=sf_link

N8 : https://docs.google.com/forms/d/e/1FAIpQLSf9v8W15ImXwHOEJ9bbbBxDqUyxmJr8zs7YY9gnB75QEFMyUg/viewform?usp=sf_link

N9 : https://docs.google.com/forms/d/e/1FAIpQLSfOy1zxdyiyC1l30VYieqkLlZKnbnJIHqSi-fAwwVqgCr4cbQ/viewform?usp=sf_link

N10 : https://docs.google.com/forms/d/e/1FAIpQLScEEzvUhDe7SMAyh2ngmAEHOhmLa1j8lrHLESMA0Me_mHMr1Q/viewform?usp=sf_link

اختبار النصف الأول من المقرر:

https://docs.google.com/forms/d/e/1FAIpQLSfp1cAbXbRH0wA2tyTouEE_OGTr-oWlIT87f331-nuQrDTJw/viewform?usp=sf_link

N11 : https://docs.google.com/forms/d/e/1FAIpQLSdprXRtxGs30qLhC0KLwv9qGFkjSdFzGXUXocQ5fAhXJBLjhQ/viewform?usp=sf_link

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N13 : https://docs.google.com/forms/d/e/1FAIpQLSfQ5F7HnLNeg9P_Q05i6BFfXRTlIiy mavWx0eKoGVKaPE1l0Q/viewform?usp=sf_link

بالتوفيق للجميع