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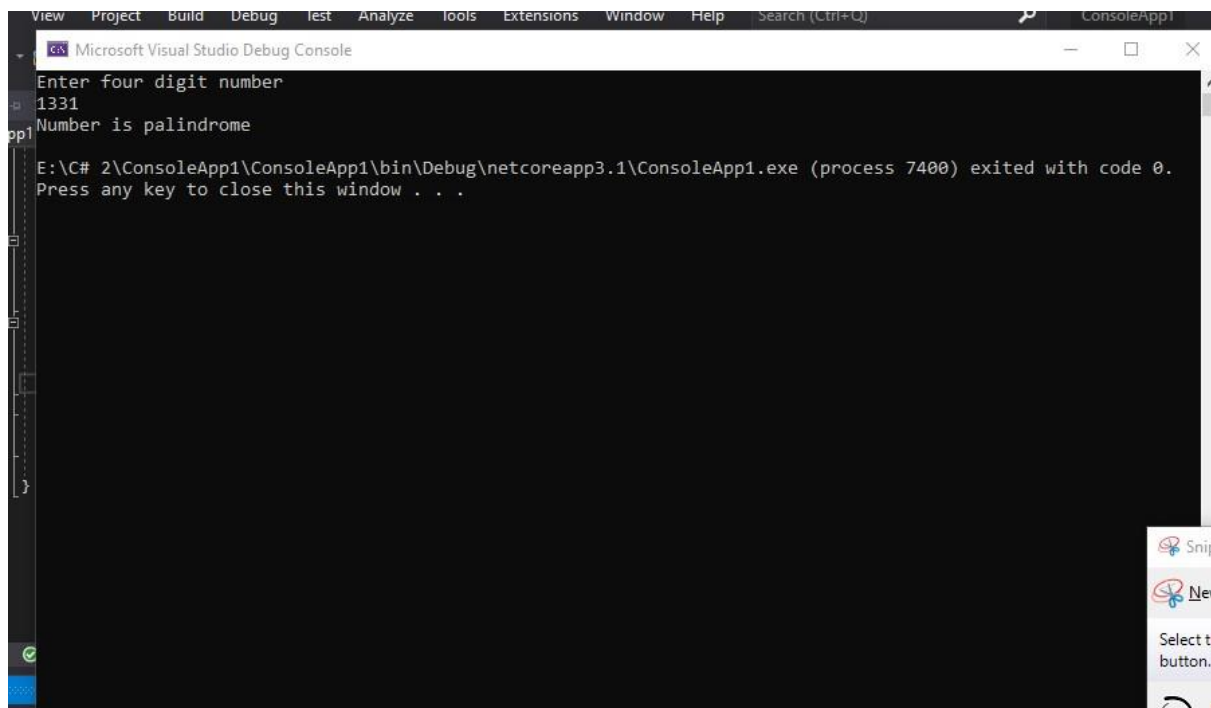
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CODE: PAPER 104

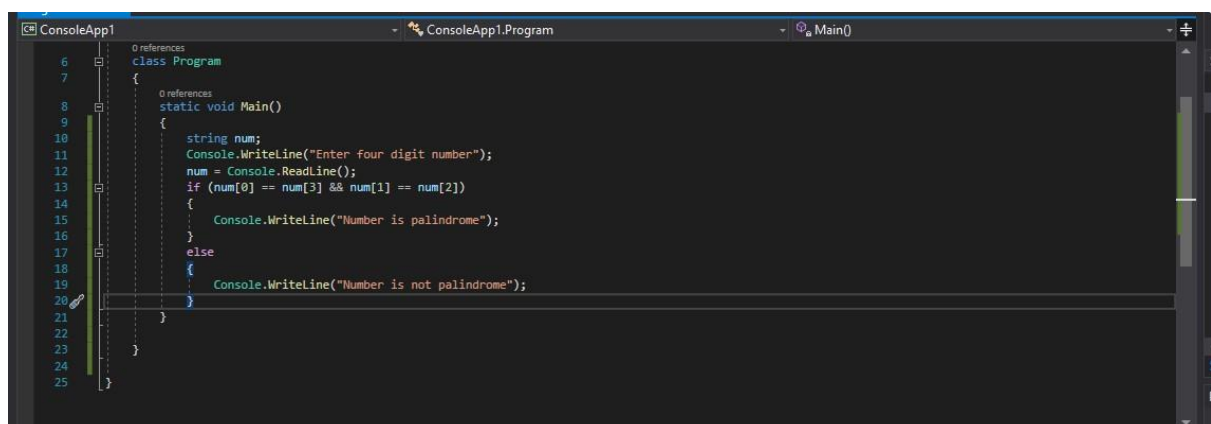
## ANSWER 3:

OUTPUT:



```
Microsoft Visual Studio Debug Console
Enter four digit number
1331
Number is palindrome
E:\C# 2\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1\ConsoleApp1.exe (process 7400) exited with code 0.
Press any key to close this window . . .
```

CODE SS:



```
ConsoleApp1
ConsoleApp1.Program
Main()

6  class Program
7  {
8      static void Main()
9      {
10         string num;
11         Console.WriteLine("Enter four digit number");
12         num = Console.ReadLine();
13         if (num[0] == num[3] && num[1] == num[2])
14         {
15             Console.WriteLine("Number is palindrome");
16         }
17         else
18         {
19             Console.WriteLine("Number is not palindrome");
20         }
21     }
22 }
23
24
25
```

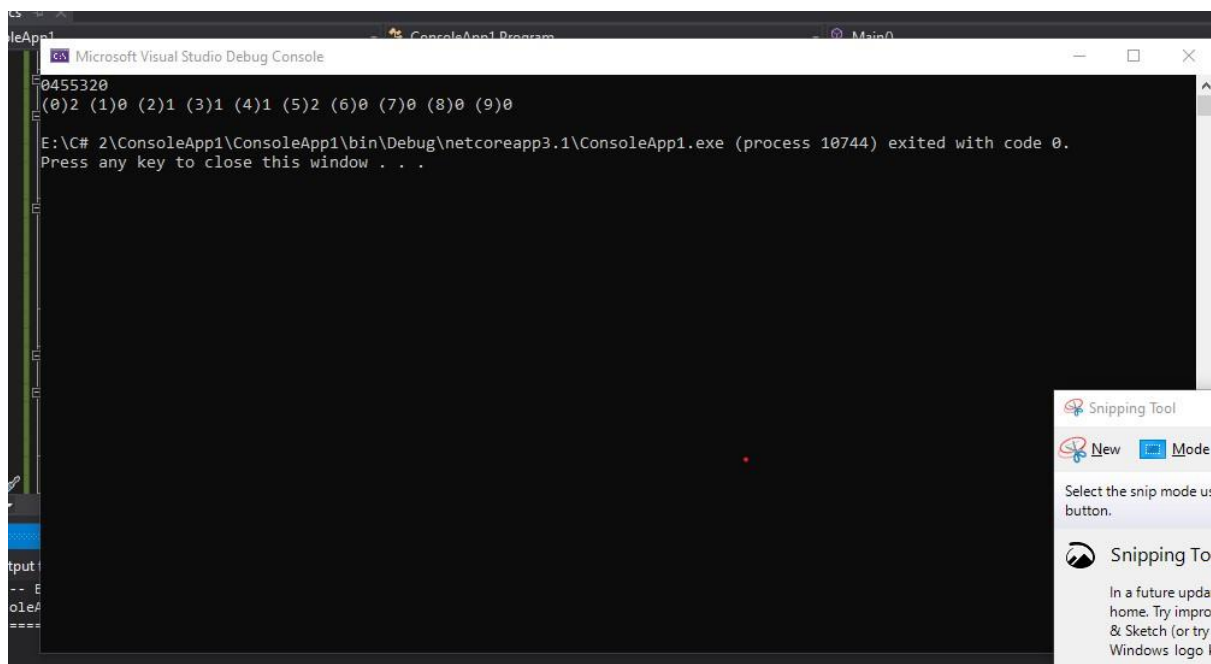
## CODE PASTE:

```
using System;
using System.Security.Cryptography.X509Certificates;

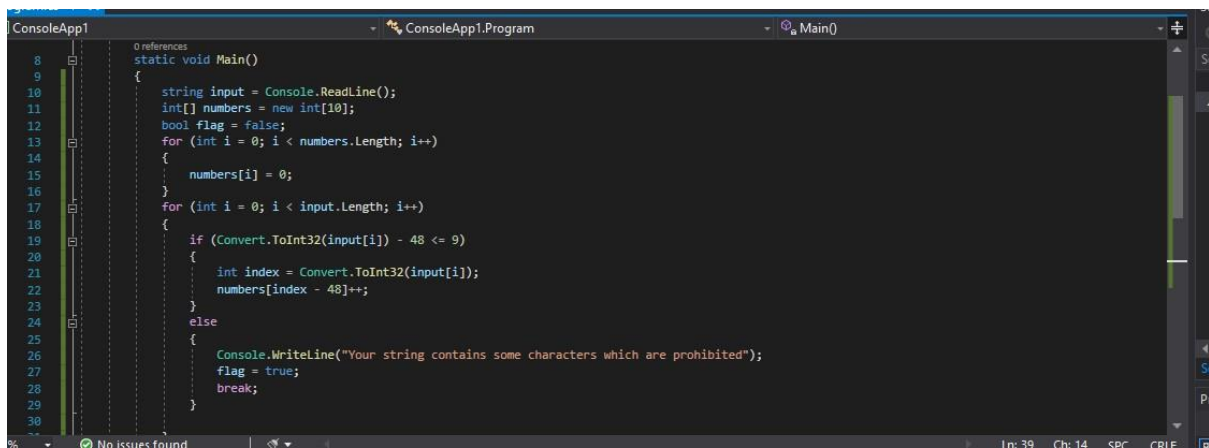
namespace ConsoleApp1
{
    class Program
    {
        static void Main()
        {
            string num;
            Console.WriteLine("Enter four digit number");
            num = Console.ReadLine();
            if (num[0] == num[3] && num[1] == num[2])
            {
                Console.WriteLine("Number is palindrome");
            }
            else
            {
                Console.WriteLine("Number is not palindrome");
            }
        }
    }
}
```

## ANSWER 4:

### OUTPUT:

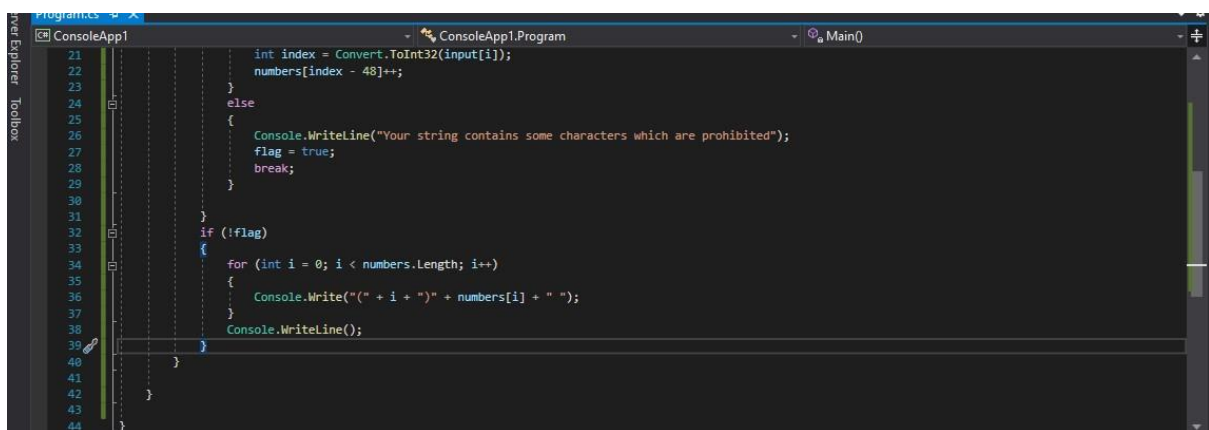


### CODE SS 1:



```
8 0 references
9 static void Main()
10 {
11     string input = Console.ReadLine();
12     int[] numbers = new int[10];
13     bool flag = false;
14     for (int i = 0; i < numbers.Length; i++)
15     {
16         numbers[i] = 0;
17     }
18     for (int i = 0; i < input.Length; i++)
19     {
20         if (Convert.ToInt32(input[i]) - 48 <= 9)
21         {
22             int index = Convert.ToInt32(input[i]);
23             numbers[index - 48]++;
24         }
25         else
26         {
27             Console.WriteLine("Your string contains some characters which are prohibited");
28             flag = true;
29             break;
30         }
31     }
32 }
```

## CODE SS 2:



```
21     int index = Convert.ToInt32(input[i]);
22     numbers[index - 48]++;
23 }
24 else
25 {
26     Console.WriteLine("Your string contains some characters which are prohibited");
27     flag = true;
28     break;
29 }
30
31 }
32 if (!flag)
33 {
34     for (int i = 0; i < numbers.Length; i++)
35     {
36         Console.Write("(" + i + ")" + numbers[i] + " ");
37     }
38     Console.WriteLine();
39 }
40 }
41 }
42 }
43 }
44 }
```

## CODE PASTE:

```
using System;
using System.Security.Cryptography.X509Certificates;

namespace ConsoleApp1
{
    class Program
    {
        static void Main()
        {
            string input = Console.ReadLine();
            int[] numbers = new int[10];
            bool flag = false;
            for (int i = 0; i < numbers.Length; i++)
            {
                numbers[i] = 0;
            }
            for (int i = 0; i < input.Length; i++)
            {
                if (Convert.ToInt32(input[i]) - 48 <= 9)
                {
                    int index = Convert.ToInt32(input[i]);
                    numbers[index - 48]++;
                }
                else
                {

```

```

        Console.WriteLine("Your string contains some characters which are
prohibited");
        flag = true;
        break;
    }
}
if (!flag)
{
    for (int i = 0; i < numbers.Length; i++)
    {
        Console.Write("(" + i + ")" + numbers[i] + " ");
    }
    Console.WriteLine();
}
}
}
}

```

# ANSWER 1:

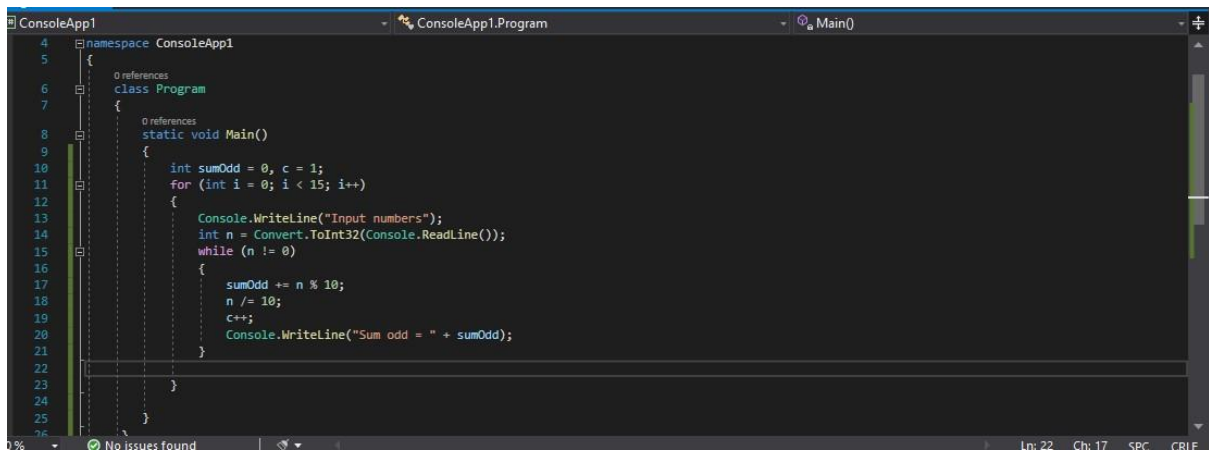
## OUTPUT:

```

7
8 Sum odd = 28
9 Input numbers
10 8
11 Sum odd = 36
12 Input numbers
13 9
14 Sum odd = 45
15 Input numbers
16 1
17 Sum odd = 46
18 Input numbers
19 2
20 Sum odd = 48
21 Input numbers
22 3
23 Sum odd = 51
24 Input numbers
25 4
26 Sum odd = 55
27 Input numbers
28 5
29 Sum odd = 60
30 Input numbers
31 6
32 Sum odd = 66
33
34 E:\C# 2\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1\ConsoleApp1.exe (process 3980) exited with code 0.
35 Press any key to close this window . . .

```

## CODE SS:



```
4 namespace ConsoleApp1
5 {
6     0 references
7     class Program
8     {
9         0 references
10        static void Main()
11        {
12            int sumOdd = 0, c = 1;
13            for (int i = 0; i < 15; i++)
14            {
15                Console.WriteLine("Input numbers");
16                int n = Convert.ToInt32(Console.ReadLine());
17                while (n != 0)
18                {
19                    sumOdd += n % 10;
20                    n /= 10;
21                    c++;
22                    Console.WriteLine("Sum odd = " + sumOdd);
23                }
24            }
25        }
26    }
27 }
```

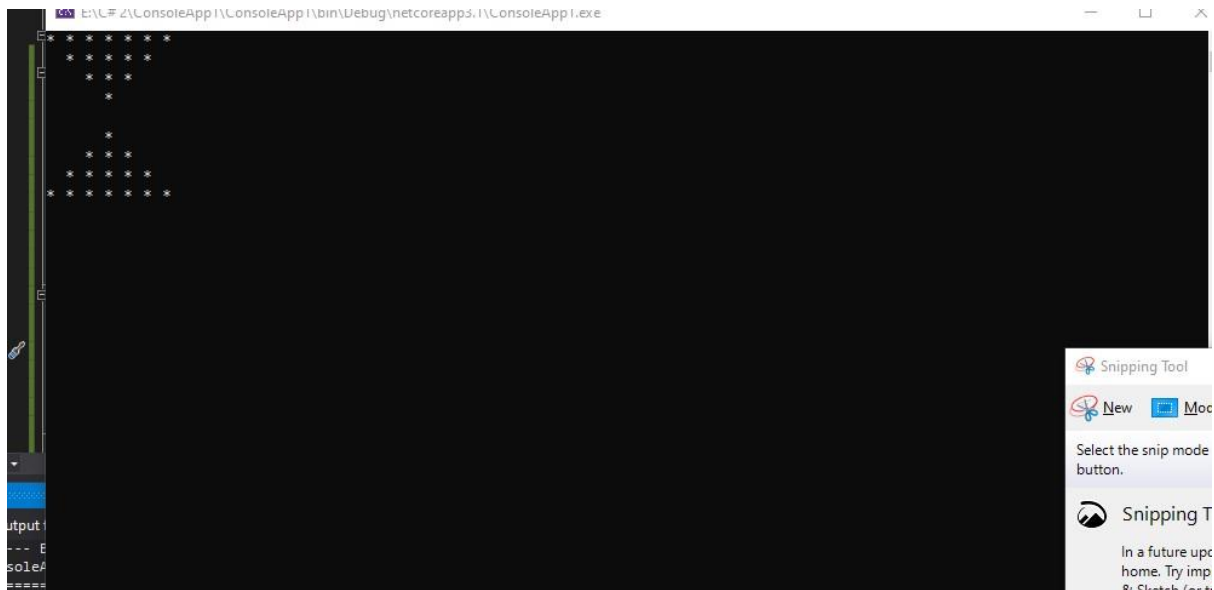
## CODE PASTE:

```
using System;
using System.Security.Cryptography.X509Certificates;

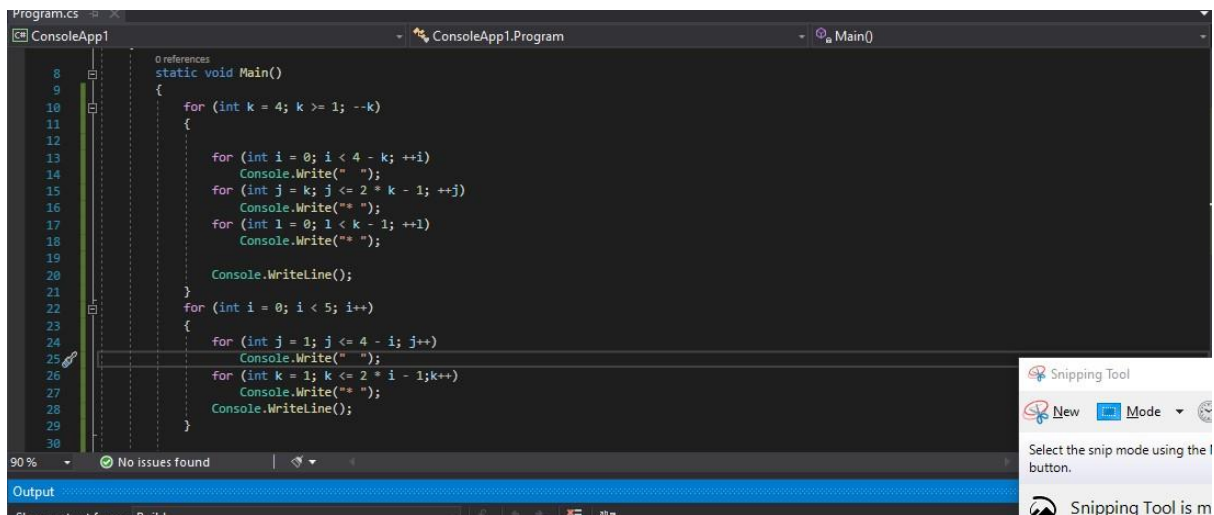
namespace ConsoleApp1
{
    class Program
    {
        static void Main()
        {
            int sumOdd = 0, c = 1;
            for (int i = 0; i < 15; i++)
            {
                Console.WriteLine("Input numbers");
                int n = Convert.ToInt32(Console.ReadLine());
                while (n != 0)
                {
                    sumOdd += n % 10;
                    n /= 10;
                    c++;
                    Console.WriteLine("Sum odd = " + sumOdd);
                }
            }
        }
    }
}
```

## ANSWER 2:

### OUTPUT:



CODE SS :



CODE PASTE:

```
using System;
using System.Security.Cryptography.X509Certificates;

namespace ConsoleApp1
{
    class Program
    {
        static void Main()
        {
            for (int k = 4; k >= 1; --k)
            {
                for (int i = 0; i < 4 - k; ++i)
                    Console.Write(" ");
                for (int j = k; j <= 2 * k - 1; ++j)
                    Console.Write("* ");
                for (int l = 0; l < k - 1; ++l)
                    Console.Write(" ");
            }
        }
    }
}
```

```
        Console.WriteLine();  
    }  
    for (int i = 0; i < 5; i++)  
    {  
        for (int j = 1; j <= 4 - i; j++)  
            Console.Write(" ");  
        for (int k = 1; k <= 2 * i - 1; k++)  
            Console.Write("* ");  
        Console.WriteLine();  
    }  
}
```

```
        Console.ReadKey();  
    }  
}  
}
```