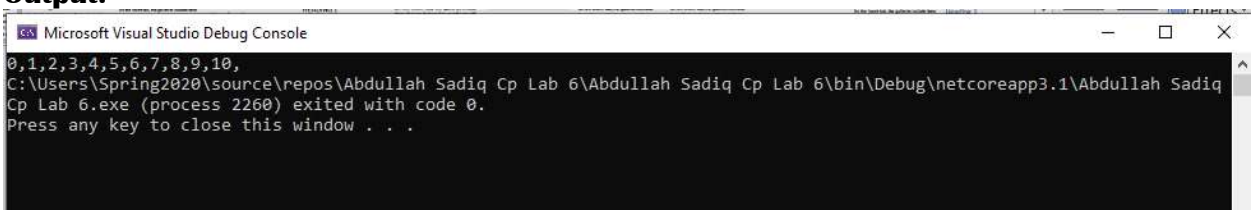
Example No 1:

Input:

```
using System;

namespace Abdullah_Sadiq_Cp_Lab_6
{
    class Program
    {
        static void Main(string[] args)
        {
            for (int i = 0; i <= 10; i++)
            { Console.Write(i + ","); }
        }
    }
}
```

Output:



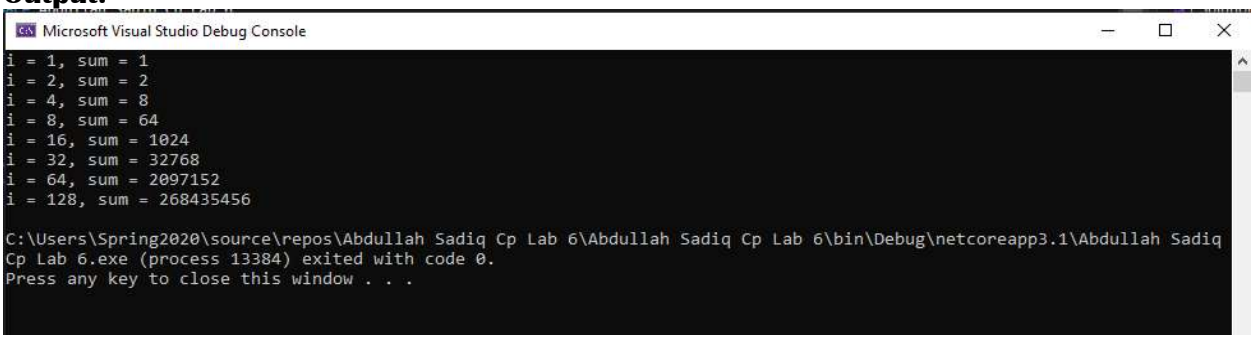
Example no 2

Input:

```
using System;


namespace Abdullah_Sadiq_Cp_Lab_6
{
    class Program
    {
        static void Main(string[] args)
        {
           for (int i = 1, sum = 1; i <= 128; i = i*2, sum *=i)
            {
                Console.WriteLine("i = {0}, sum = {1}", i, sum);
            }
        }
    }
}
```

Output:



Example no 3

Input:

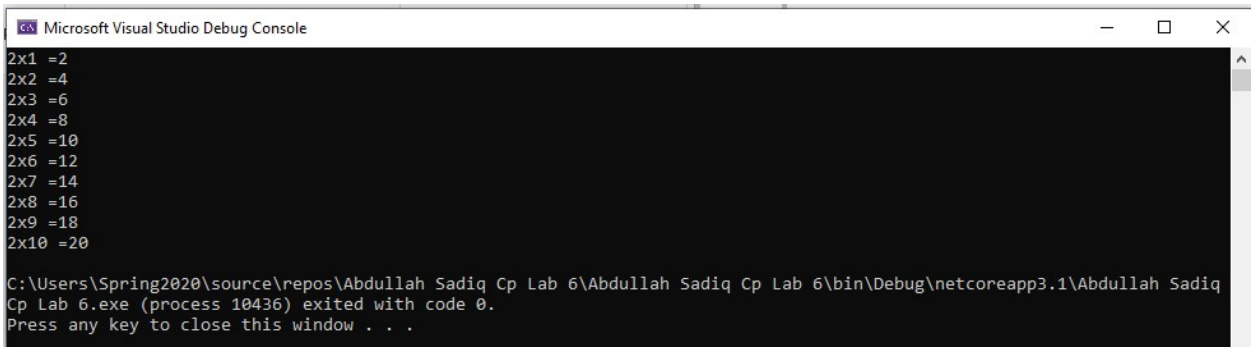
```
using System;


namespace Abdullah_Sadiq_Cp_Lab_6
{
    class Program
    {
        static void Main(string[] args)
        {
            for (int i = 1; i <= 10; i++)
            {

                Console.WriteLine("2x{0} ={1}", i,i * 2);

            }
        }
    }
}
```

Output:



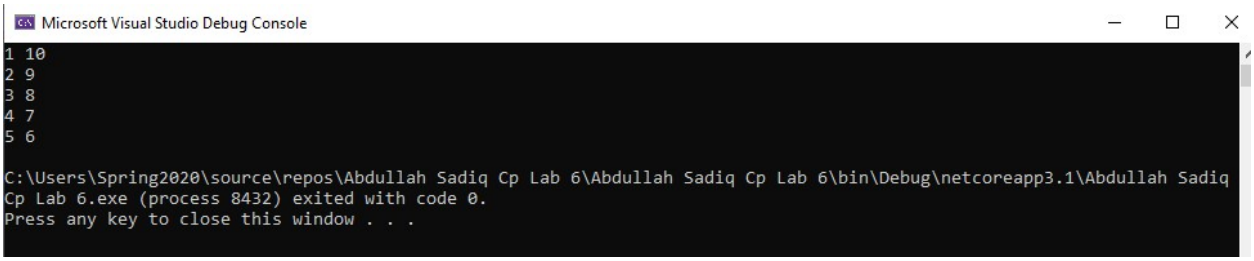
Example No 04

Input:

```
using System;

namespace Abdullah_Sadiq_Cp_Lab_6
{
    class Program
    {
        static void Main(string[] args)
        {
            for (int small = 1, large = 10; small<large; small++,large--)
            {
                Console.WriteLine(small + " " + large );
            }
        }
    }
}
```

Output:



Example No 05

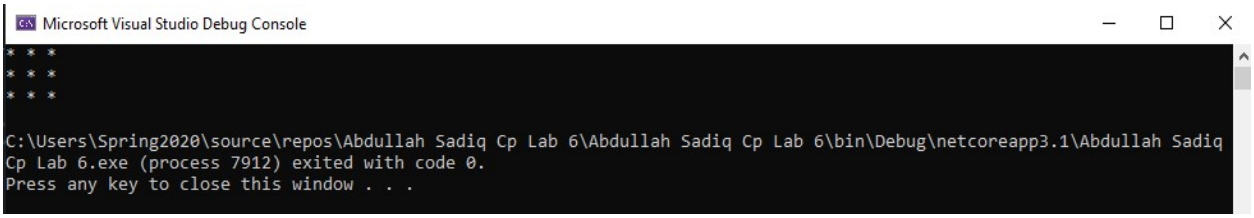
Input:

```
using System;

namespace Abdullah_Sadiq_Cp_Lab_6
{
    class Program
    {
        static void Main(string[] args)
        {
            for (int i = 0; i < 3; i++)
            {
                for (int j = 0; j < 3; j++)
                {
                    Console.Write("*" + " ");

                }
                Console.WriteLine("");
            }
        }
    }
}
```

Output:



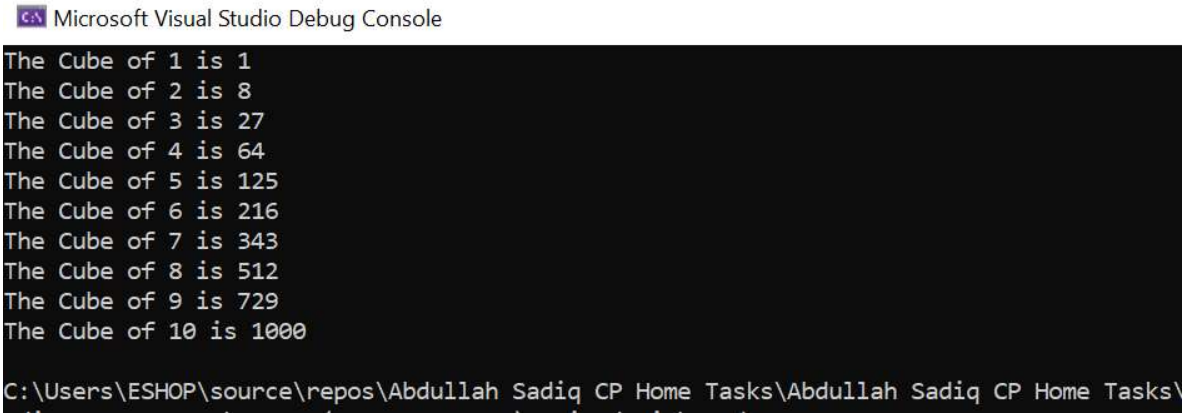
Task No 01: Cube series without using power math function. (Use For loop)

Input:

```
using System;

namespace Abdullah_Sadiq_CP_Home_Tasks
{
    class Program
    {
        static void Main(string[] args)
        {
            for (int i = 1; i <=10; i++)
            {
                Console.WriteLine("The Cube of {0} is {1}", i, i*i*i);
            }
        }
    }
}
```

Output:



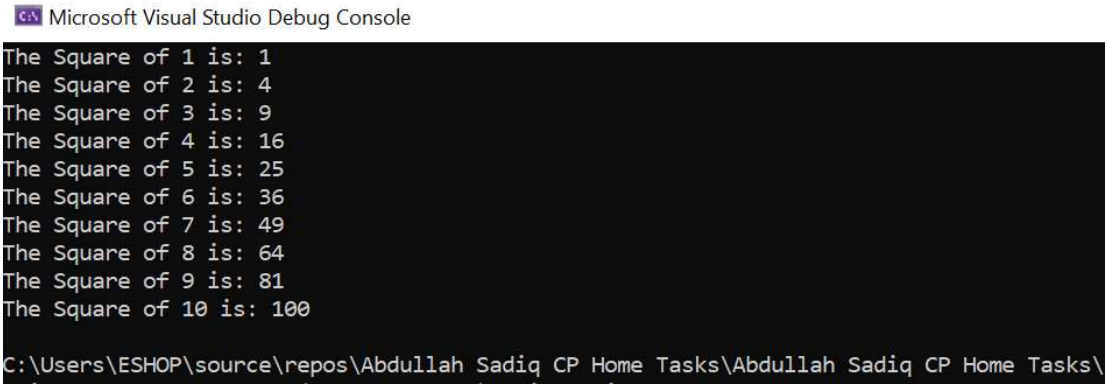
Task No 02: Square Series without using power math function (use For loop).

Input:

```
using System;

namespace Abdullah_Sadiq_CP_Home_Tasks
{
    class Program
    {
        static void Main(string[] args)
        {
            for (int i = 1; i <=10; i++)
            {
                Console.WriteLine("The Square of {0} is: {1}", i, i*i);
            }
        }
    }
}
```

Output:



Task No 03: Repeatedly print the value of the variable x Value, decreasing it by 0.5 each time, as long as the x value remains Positive.

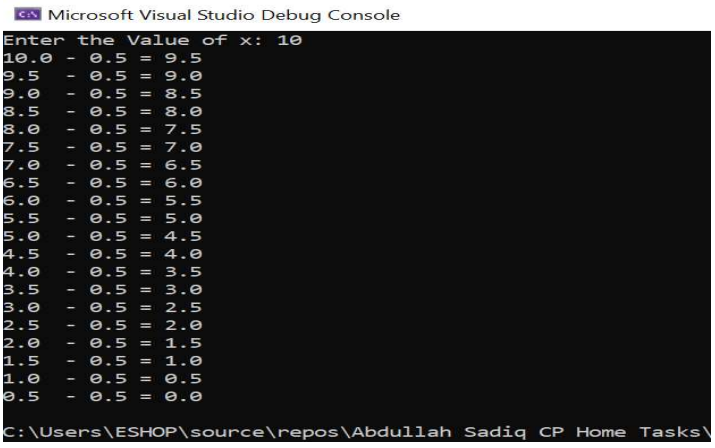
Input:

```
using System;

namespace Abdullah_Sadiq_CP_Home_Tasks
{
    class Program
    {
        static void Main(string[] args)
        {
            double num;
            Console.Write("Enter the Value of x: ");
            num = Convert.ToDouble(Console.ReadLine());

            for (double i = num; i >0;)
            {
                Console.WriteLine("{0,-5:0.0}- 0.5 = {1,-5:0.0}", i, i -= 0.5);
            }
        }
    }
}
```

Output:



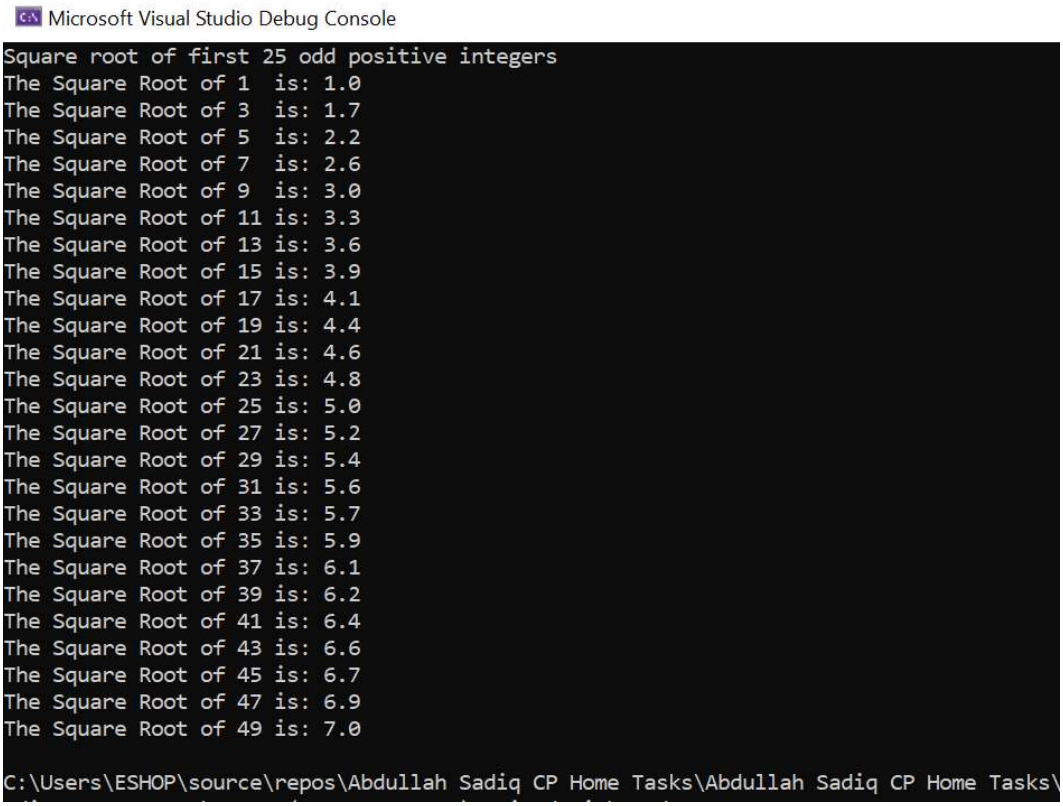
Task No 04: Print the square roots of the first 25 odd positive integers.

Input:

```
using System;

namespace Abdullah_Sadiq_CP_Home_Tasks
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Square root of first 25 odd positive integers");
            for (int i = 1; i < 50; i++)
            {
                Console.WriteLine("The Square Root of {0,-2:0} is: {1,-5:0.0}", i,
Math.Sqrt(i));
                i += 1;
            }
        }
    }
}
```

Output:



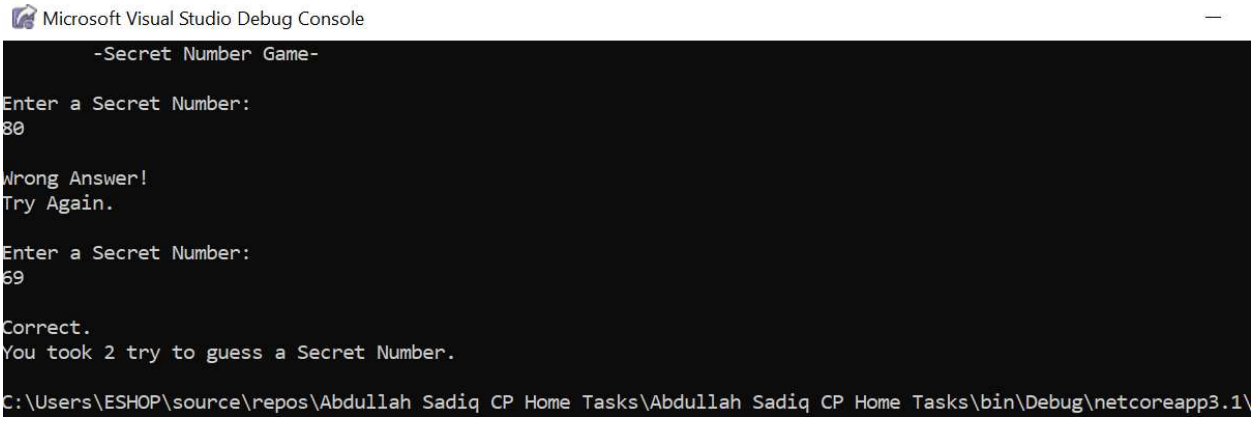
Task No 05: Make a game in C#, in which give 5 tries to the user to guess the value of the number.

Input:

```
using System;

namespace Abdullah_Sadiq_CP_Home_Tasks
{
    class Program
    {
        static void Main(string[] args)
        {
            int secret = 69, value, guess = 1;
            Console.WriteLine("\t-Secret Number Game-");
            for (int i = 0; i < 5; guess++, i++)
            {
                Console.WriteLine("\nEnter a Secret Number:");
                value = int.Parse(Console.ReadLine());
                if (value == secret)
                {
                    Console.WriteLine("\nCorrect.\nYou took {0} try to guess a Secret
Number.", guess);
                    break;
                }
                else
                {
                    Console.WriteLine("\nWrong Answer!\nTry Again.");
                }
            }
        }
    }
}
```

Output:



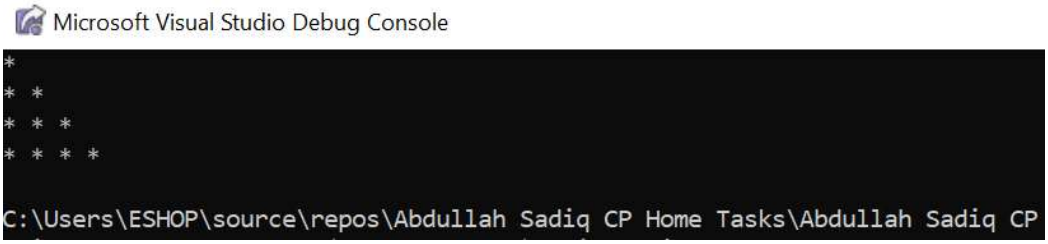
Task No 06: Generate Stars using 2 for loops

Input:

```
using System;

namespace Abdullah_Sadiq_CP_Home_Tasks
{
    class Program
    {
        static void Main(string[] args)
        {
            for (int i = 0; i < 4; i++)
            {
                for (int j = 0; j <= i; j++)
                {
                    Console.Write("* ");
                }
                Console.WriteLine("");
            }
        }
    }
}
```

Output:



Task No 07: Write a program that reads from the console a positive integer number N (N < 20) and prints a matrix of numbers as N = 3 N = 4.

Input:

```
using System;

namespace Abdullah_Sadiq_CP_Home_Tasks
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Please Enter a Number (Below 20):");
            int num = Convert.ToInt32(Console.ReadLine());
            if (num <= 20)
            {
                for (int i = 1; i <= num; i++)
                {
                    for (int j = 0; j < num; j++)
```

```
                    {
                        Console.Write("{0} ", i + j);
                    }
                    Console.WriteLine(" ");
                }
            }
            else
            {
                Console.WriteLine("Invalid Input!");
            }
        }
    }
}
```

Output: