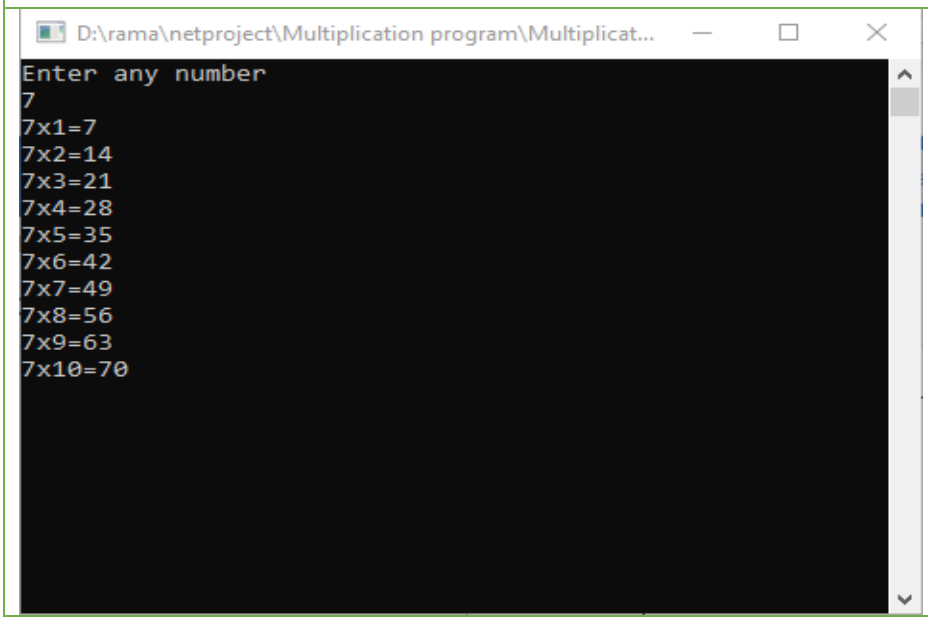
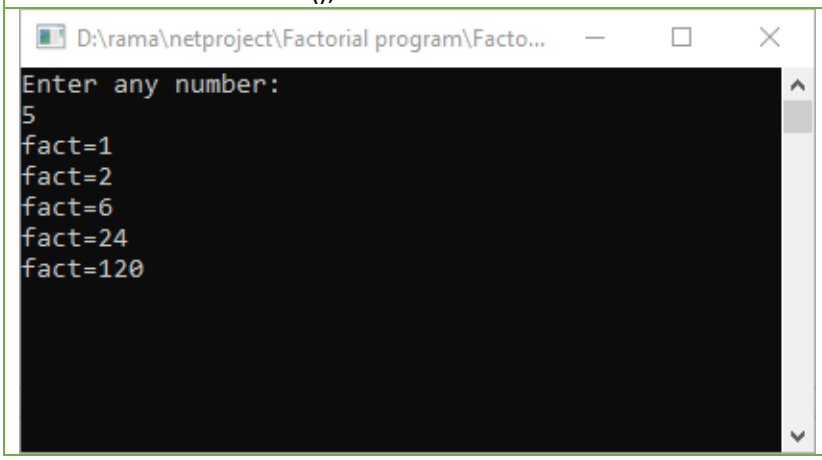
1.Write a multiplication table onC# program

```
    int input, i;
    Console.WriteLine("Enter any number");
    input =Convert.ToInt32(Console.ReadLine());
    for(i=1;i<=10;i++)
    {
            for(i=1;i<=10;i++)
    {
       Console.WriteLine(input +"x"+i+"="+input*i);
    }
    Console.ReadLine();
  }
```



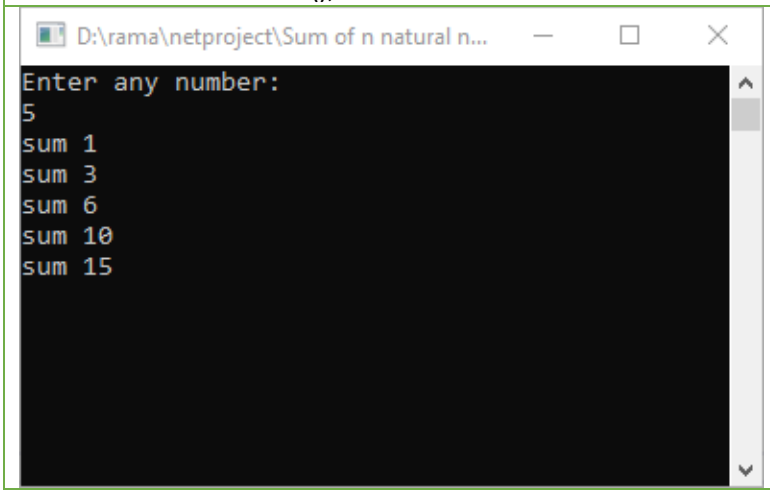
2 . Print Factorial of given number in C# program

```
int input, i;
Console.WriteLine("Enter any number");
input =Convert.ToInt32(Console.ReadLine());
for(i=1;i<=10;i++)

for(i=1;i<=10;i++)
{
   Console.WriteLine(input +"x"+i+"="+input*i);
}
Console.ReadLine();
```



3 . Write a C# program to print Sum of n natural numbers

```
int i, n, sum = 0;
        Console.WriteLine("Enter any number:");
      n =Convert.ToInt32(Console.ReadLine());
      for(i=1;i<=n;i++)
      { sum =sum +i;
      Console.WriteLine("sum "+sum);
      }
      Console.ReadLine();
```

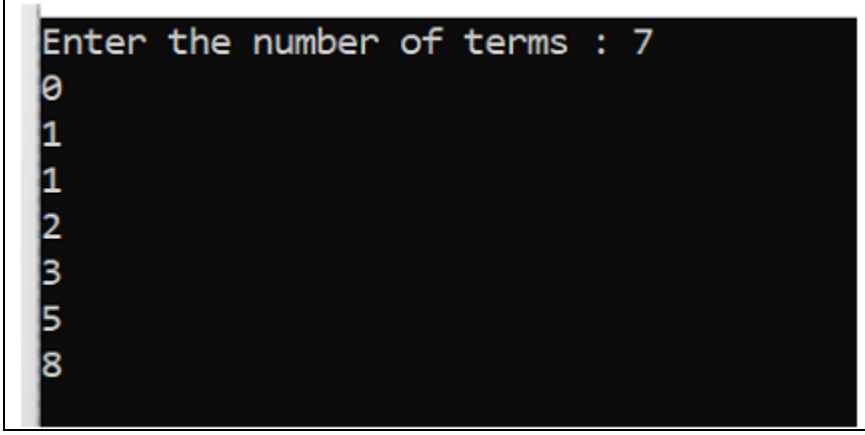


4.Write a c# program of fionacci series

Program:

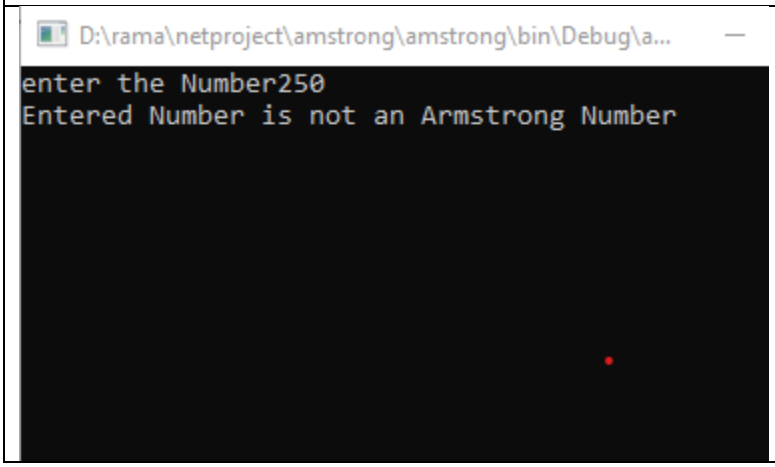
```
internal class Program
{
    static void Main(string[] args)
    {
        int n, a = 0, b = 1, c, i;
        Console.WriteLine("Enter the number of terms : ");
        n =Convert.ToInt32.(Console.ReadLine());
        for (i = 0; i < n; i++)
        {
            if (i <= 1)
                c = i;
            else
            {
                c = a + b;
                a = b;
                b = c;
            }
            Console.WriteLine(c);
        }
        Console.ReadLine();
    }
}
}
```

Output:



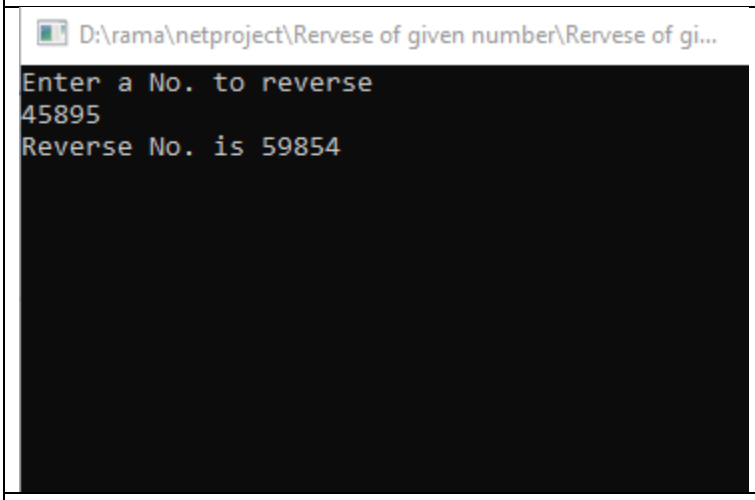
5 .Write a C# program of to print Armstrong number

```
Program: namespace _1
{
   internal class Program
   {
      static void Main(string[] args)
      {
         int number, remainder, sum = 0;
         Console.Write("enter the Number");
         number = Convert.ToInt32(Console.ReadLine());
         for (int i = number; i > 0; i = i / 10)
         {
            remainder = i % 10;
            sum = sum + remainder * remainder * remainder;

         }
         if (sum == number)
         {
            Console.WriteLine("Entered Number is an Armstrong Number");
         }
         else
            Console.WriteLine("Entered Number is not an Armstrong Number");
         Console.ReadLine();
      }
   }
}
```



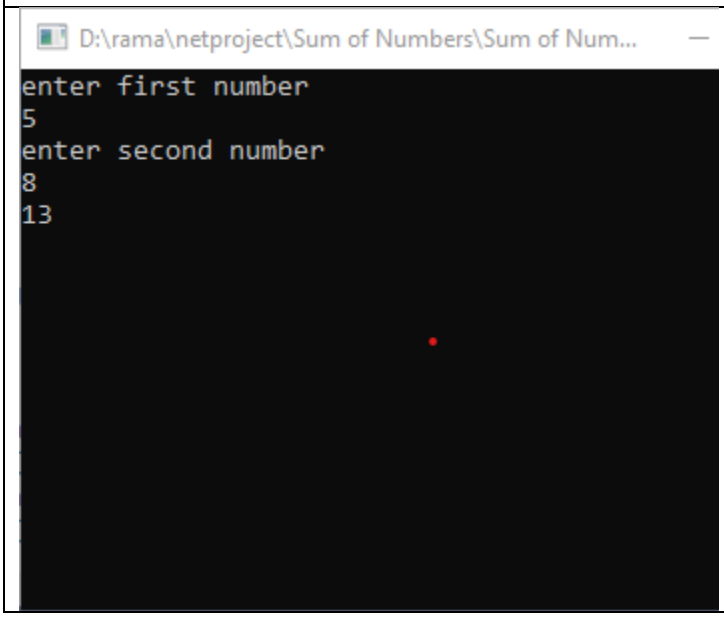
6 .Write a program to print a reverse of given number

```
namespace _1
{
   internal class Program
   {
      static void Main(string[] args)
      {
         Console.WriteLine("Enter a No. to reverse");
         int Number = Convert.ToInt32(Console.ReadLine());
         int Reverse = 0;
         while (Number > 0)
         {
            int remainder = Number % 10;
            Reverse = (Reverse * 10) + remainder;
            Number = Number / 10;
         }
         Console.WriteLine("Reverse No. is {0}", Reverse);
         Console.ReadLine();
      }
   }
}
```



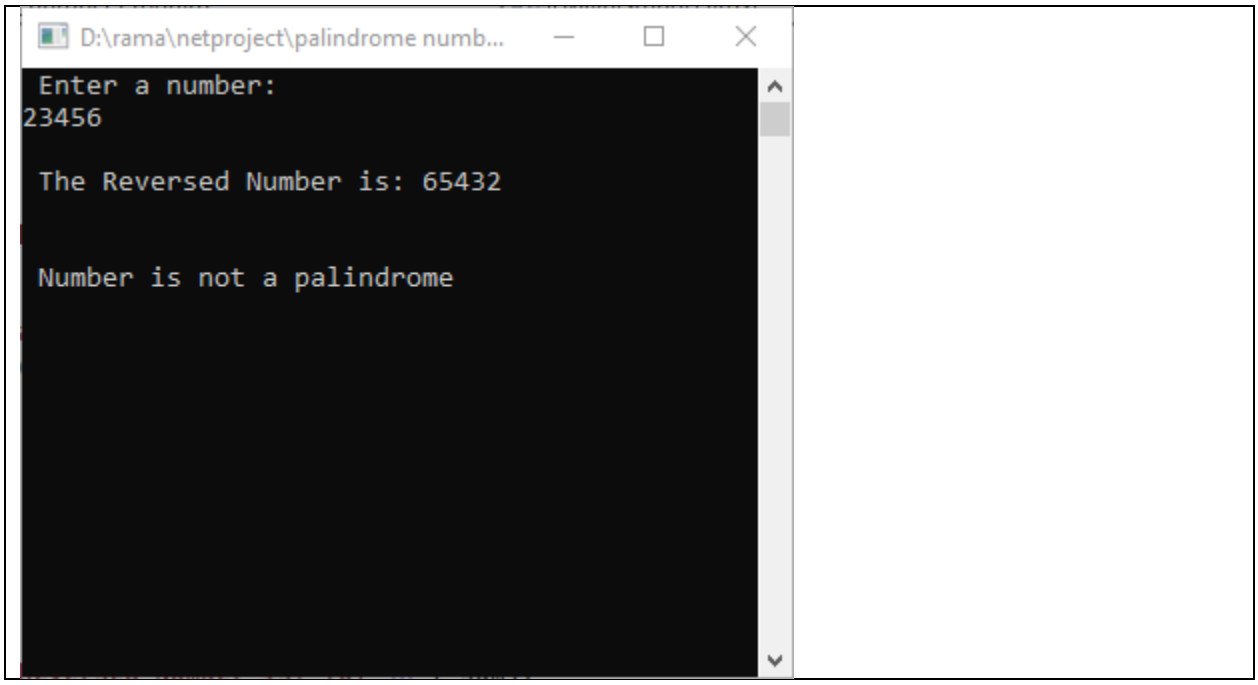
7 . Write a C# program to print sum of numbers

```
namespace _1
{
  internal class Program
  {
    static void Main(string[] args)
    {
      int fn, sn, sum = 0;
      Console.WriteLine("enter first number");
      fn = Convert.ToInt32(Console.ReadLine());
      Console.WriteLine("enter second number");
      sn = Convert.ToInt32(Console.ReadLine());
      sum = fn + sn;
      Console.WriteLine(sum);
      Console.ReadLine();
    }
  }
}
```



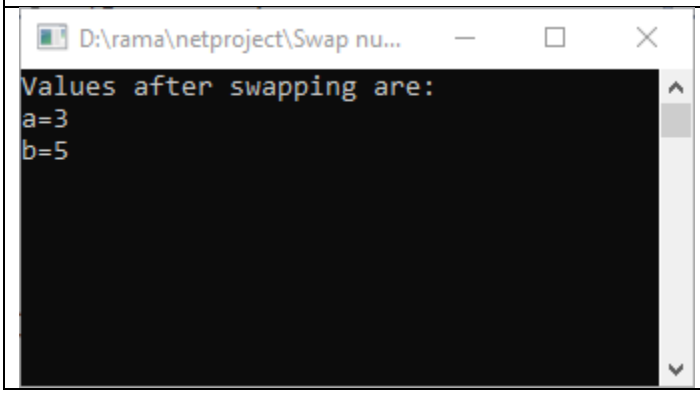
8 . Write a C# program to print palindrome numbers

```
namespace _1
{
   internal class Program
   {
      static void Main(string[] args)
      {
         int num, rem, sum = 0, temp;


         Console.WriteLine(" Enter a number: ");
         num = Convert.ToInt32(Console.ReadLine());
         temp = num;
         while (num > 0)
         {
            rem = num % 10;
            num = num / 10;
            sum = sum * 10 + rem;

         }
         Console.WriteLine("\n The Reversed Number is: {0} \n", sum);
         if (temp == sum)
         {
            Console.WriteLine("\n Number is Palindrome \n\n");
         }
         else
         {
            Console.WriteLine("\n Number is not a palindrome \n\n");
         }
         Console.ReadLine();
      }
   }
}
```


D:\rama\netproject\palindrome numb...
Enter a number:
23456
The Reversed Number is: 65432
Number is not a palindrome

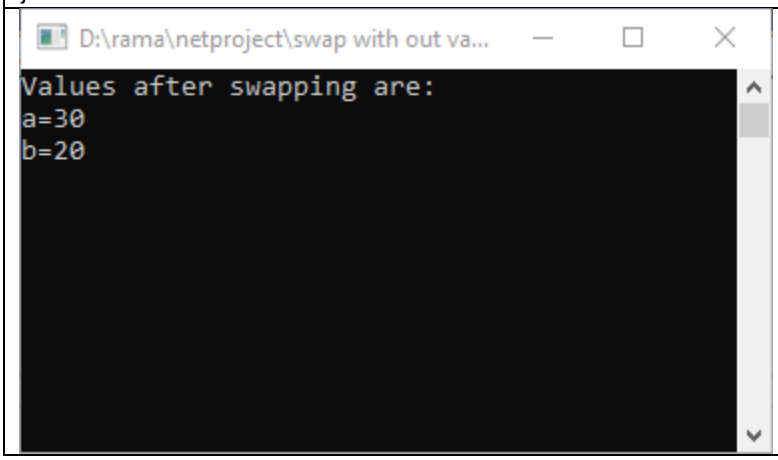
9. Write a C# program to print swap numbers using third variable

```
namespace _1
{
   internal class Program
   {
      static void Main(string[] args)
      {

{
int a = 5, b = 3, temp;


temp = a;
a = b;
b = temp;

Console.WriteLine("Values after swapping are:");
Console.WriteLine("a=" + a);
Console.WriteLine("b=" + b);
Console.ReadLine();
}
}
   }
}
```



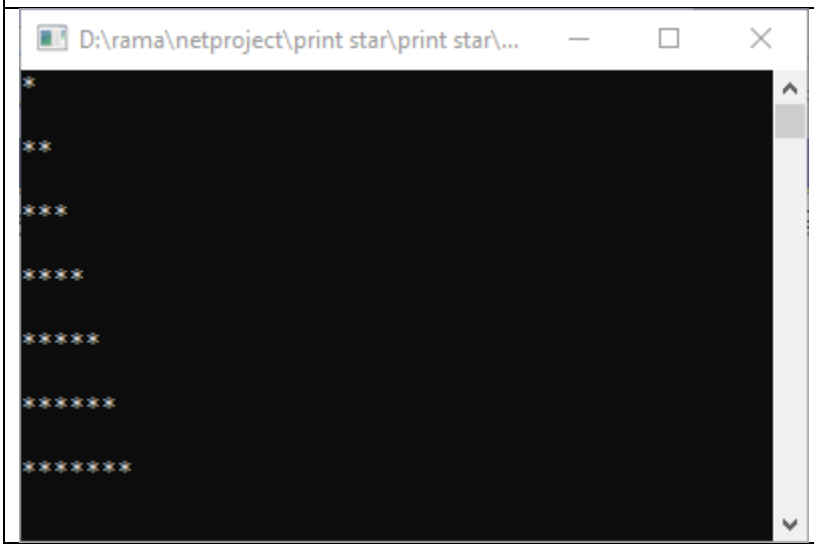
10 Write a C# program to print without using third variable

```
internal class Program
  {
    static void Main(string[] args)
    {
      {
        int a = 20, b = 30;


        a = a + b;
        b = a - b;
        a = a - b;

        Console.WriteLine("Values after swapping are:");
        Console.WriteLine("a=" + a);
        Console.WriteLine("b=" + b);
        Console.ReadLine();
      }
    }
  }
}
```



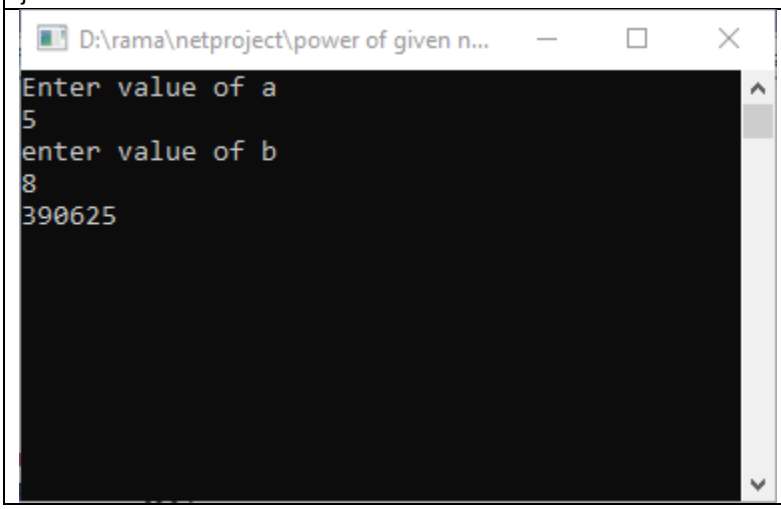
11 .Write a C# program to print stars

```
namespace _1
{
   internal class Program
   {
      static void Main(string[] args)
      {


            for (int row = 1; row <= 8; ++row)
            {
               for (int col = 1; col <= row; ++col)
               {
                  Console.Write("*");
               }

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



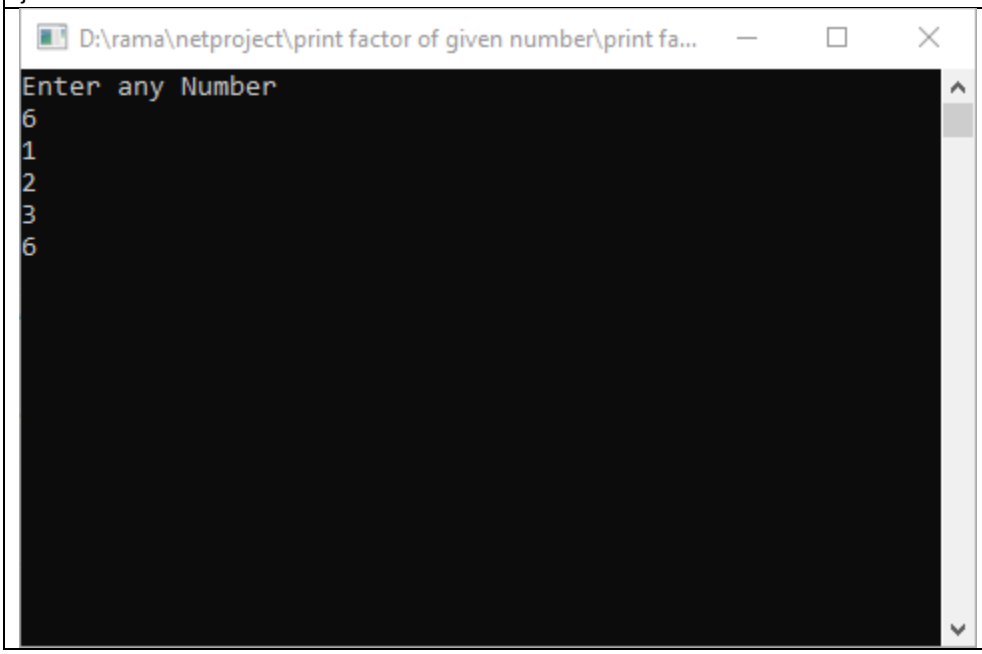
12. Write a C# program to print power of given number

```
Namespace _1
{
   internal class Program
   {
      static void Main (string [] args)
      {
         int a, b, result = 1, i;
         Console.WriteLine("Enter value of a");
         a = Convert.ToInt32(Console.ReadLine());
         Console.WriteLine("enter value of b");
         b = Convert.ToInt32(Console.ReadLine());
         for (i = 1; i <= b; i++)
            result = result * a;
         Console.WriteLine(result);
         Console.ReadLine();



      }
}
}
```



13 .Write a C# program to print facror of given number

```
namespace _1
{
   internal class Program
   {
      static void Main (string [] args)
      {
         int input, i;
         Console.WriteLine("Enter any Number");
         input = Convert.ToInt32(Console.ReadLine());
         for ( i =1; i <= input; i++)
         {
            if (input % i == 0)
               Console.WriteLine(i);

         }
         Console.ReadLine();

}
}
}
```

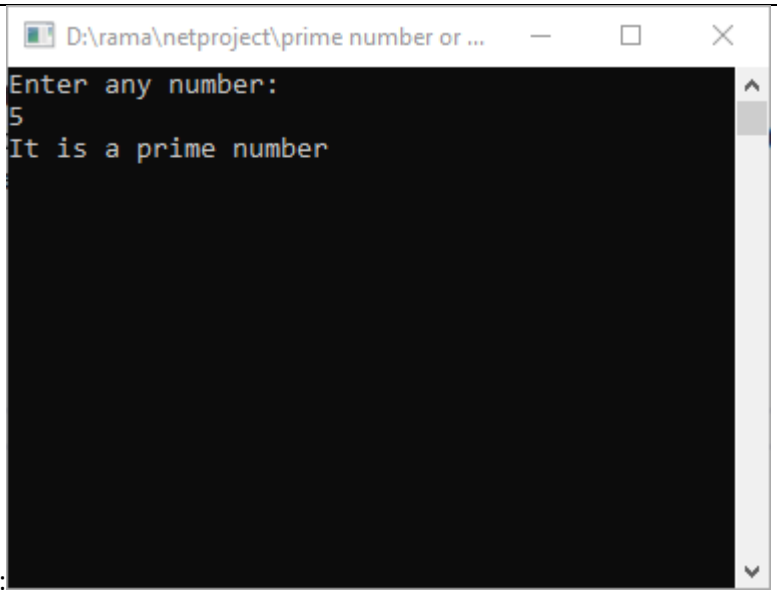


14 . Write a C# program to check prime number or not

Program: namespace -1

```
{
   internal class Program
   {
      static void Main(string[] args)
      {
         {
            int input, i, count = 0;
            Console.WriteLine("Enter any number:");
            input = Convert.ToInt32(Console.ReadLine());

            for (i = 1; i <=input; i++)
            {
               if (input%i==0)
                  count++;
            }
            if (count == 2)
               Console.WriteLine("It is a prime number", input);
            else Console.WriteLine("It is not a prime number", input);
            Console.ReadLine();
         }
      }

   }
}
```

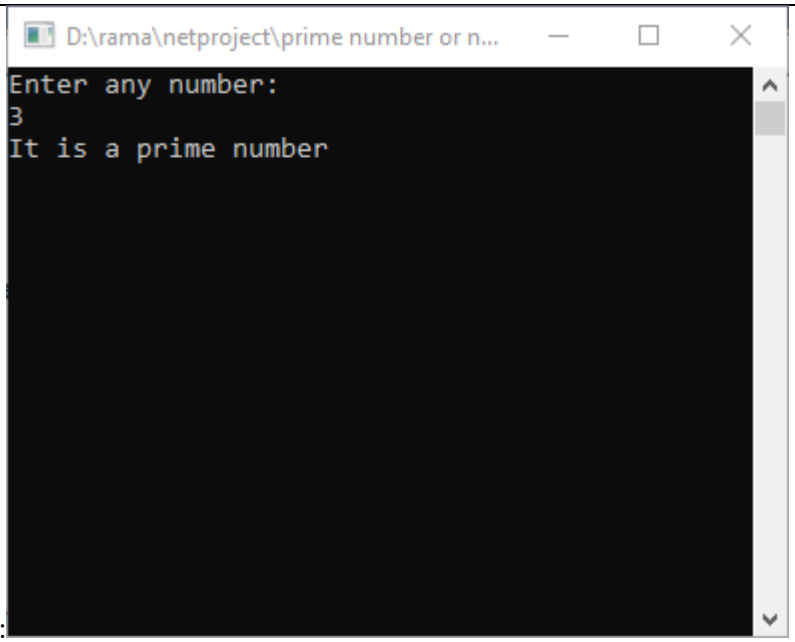
Output:



15...Write a C# program to prime number check using function

```
Program: namespace
{
   internal class Program
   {

      static void Main(string[] args)
      {
         int input, i, count = 0;
         Console.WriteLine("Enter any number:");
         input = Convert.ToInt32(Console.ReadLine());

         for (i = 1; i <=input; i++)
         {
            if (input%i==0)
               count++;
         }
         if (count == 2)
            Console.WriteLine("It is a prime number", input);
         else Console.WriteLine("It is not a prime number", input);
         Console.ReadLine();
      }
   }
}
```

Output:

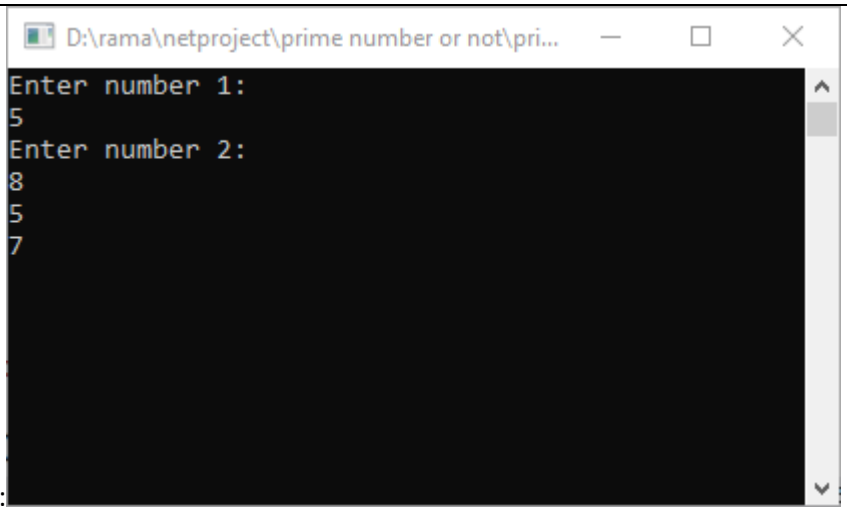


16..Write a C# program prime number is in Range

```
Program: namespace
{
   internal class Program
   {

      static void Main(string[] args)
      {

         Console.WriteLine("Enter number 1:");

        int input1 = Convert.ToInt32(Console.ReadLine());
         Console.WriteLine("Enter number 2:");
         int input2 = Convert.ToInt32(Console.ReadLine());

          for(int i = input1; i <= input2; i++)
         {
            isPrime(i);

         }


         Console.ReadLine();
      }

      static void isPrime(int input)
      {
         bool isPrimenum = true;
         for (int i = 2; i < input; i++)
         {
            if (input % i == 0)
            {
                isPrimenum = false;


            }

         }
         if (isPrimenum == true)
         {
            Console.WriteLine(input);
         }


      }
   }
```

}

Output:



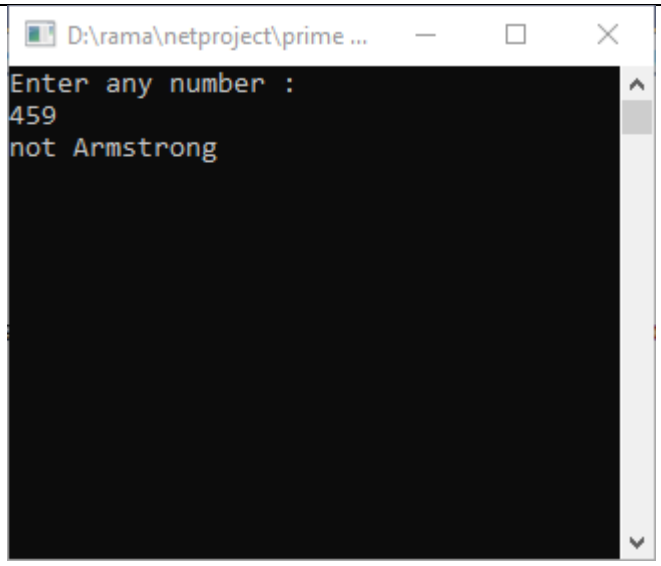
17.Write a C# program of Amstrong using Function

Program:

```
{
   internal class Program
   {

      static void Main(string[] args)
      {
         int n, rem, m, res =0;
         Console.WriteLine("Enter any number :");

        n = Convert.ToInt32(Console.ReadLine());
         getArmtrong(n);
         Console.ReadLine();
      }

      static void getArmtrong(int n)
      {
         int  rem, m, res = 0;

         m = n;
         while (m > 0)
         {

            rem = m % 10;
```

```
            m /= 10;
            res = res + rem * rem * rem;

        }
        Console.WriteLine((res == n) ? "Armstrong" : "not Armstrong");


    }


  }

}
```

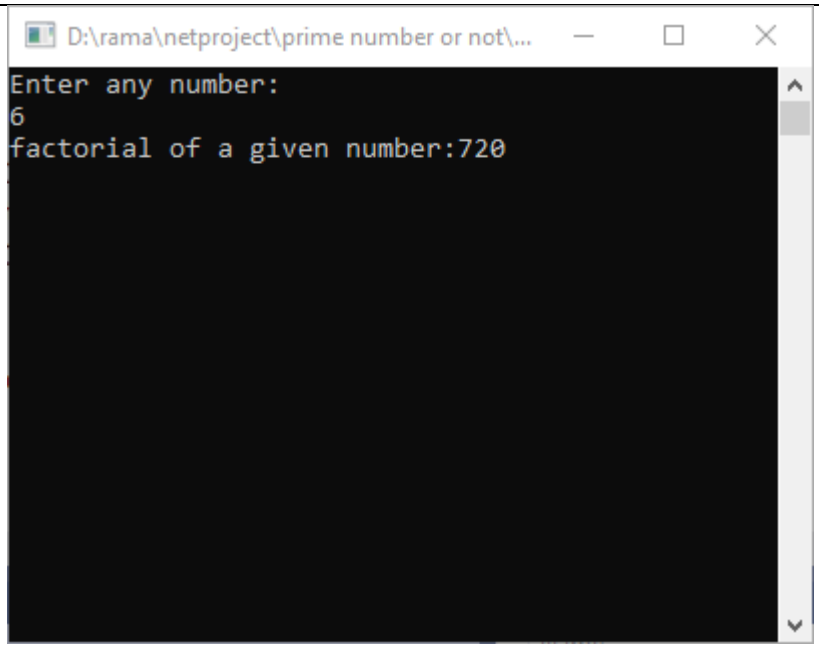
Output :



18.Write a C# program print factorial of using Recursion

```
ProgrAM: internal class Program
  {
     static void Main(string[] args)
     {
        int input, i, fact = 1; ;
        Console.WriteLine("Enter any number:");
        input = Convert.ToInt32(Console.ReadLine());
        for (i = 1; i <=input; i++)
           fact = fact * i;
           Console.WriteLine("factorial of a given number:" +fact );
        Console.ReadLine();
     }
  }
}
```

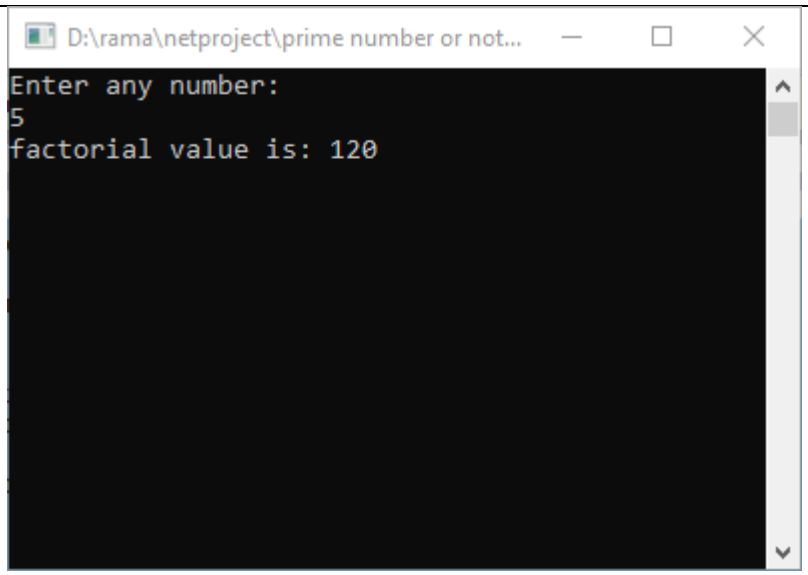
OUTPUT:



19. Write a C# program print factorial of using Recursion

```
Program: namespace
{
   internal class Program
   {

      static void Main(string[] args)
      {

         Console.WriteLine("Enter any number:");
        int input = Convert.ToInt32(Console.ReadLine());

         int factorial= getFact(input);

            Console.WriteLine("factorial value is: " +  factorial);

         Console.ReadLine();
      }
      static int getFact(int input)
      {

         if (input == 0)
            return 1;
         else
            return input * getFact(input - 1);
      }




   }
}
```

Output :

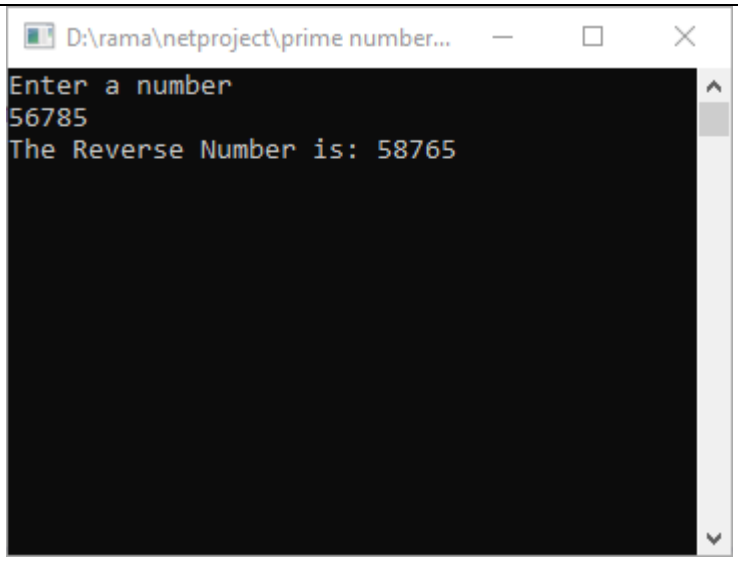


20 Write a C# program reverse of given number

```
Program: amespace Day_4_Multiplication_prgm_1
{
   internal class Program
   {

      static void Main(string[] args)
      {
         int n,m,rem,rev=0;
         Console.WriteLine("Enter a number");
        n= Convert.ToInt32(Console.ReadLine());
         m = n;
         while(m>0)
         {
            rem = m % 10;
            m= m / 10;
        rev = rev * 10 + rem;
         }

            Console.WriteLine("The Reverse Number is: " +rev);


         Console.ReadLine();


      }
   }
```

}

Output:


D:\rama\netproject\prime number...
Enter a number
56785
The Reverse Number is: 58765