Practise Program

1) Write a Program For Armstrong Number.

```
using System;
namespace demoprog
 class program
    public static void Main(string[] args)
     int num = 0, temp = 0, sum = 0, rem;
     Console.WriteLine("Enter your armstrong number");
     num = Convert.ToInt32(Console.ReadLine());
     temp = num;
     while(num > 0)
       rem = num % 10;
       sum = sum + rem * rem * rem;
       num = num / 10;
     if(num == temp)
       Console.WriteLine(temp + " is your armstrong number!");
     else
       Console.WriteLine(temp + " is not your armstrong number");
```

2) Write a Program For Panidrome Number.

```
using System;
namespace demoprog
 class program
   public static void Main(string[] args)
     int num = 0, sum = 0, temp = 0, rem;
     Console.WriteLine("Enter your palindrome number");
     num = Convert.ToInt32(Console.ReadLine());
     temp = num;
     while (num > 0)
       rem = num % 10;
       sum = sum * 10 + rem;
       num = num / 10;
     if(sum == temp)
       Console.WriteLine(temp + " is your Palindrome Number");
     else{
        Console.WriteLine(temp + " is your not Palindrome number");
   }
```

3) swapping two numbers without using third veriable.

```
using System;
namespace demo
{
    class program
    {
        public static void Main(string[] args)
        {
            int num1 = 10, num2 = 20;
            Console.WriteLine("Swaping two numbers");
            Console.WriteLine("Before Swapping the numbers");
            Console.WriteLine(num1 + "\n" + num2);
            num1 = num1 + num2;
            num2 = num1 - num2;
            num1 = num1 - num2;
            console.WriteLine("After Swapping the numbers");
            Console.WriteLine(num1 + "\n" + num2);
        }
    }
}
```

4) Write a program to reverse string.

```
using System;
namespace reversestring
{
   class program
   {
      public static void Main(string[] args)
      {
        string str;
        Console.WriteLine("Enter your string");
        str = Console.ReadLine();
        str.ToLower();

        for(int i = str.Length - 1; i >= 0; i--)
        {
            Console.Write(str[i]);
        }
        Console.WriteLine("\n");
      }
}
```

5) Count how many words in your string.

6) Write a program to find first & second largest number.

```
using System;
namespace largesecondnum
  class program
    public static void Main(string[] args)
      int max1, max2;
      int[] arr = {4, 63, 78, 5, 26, 76, 55, 12, 35,};
      for(int i = 0; i < arr.Length; i++)</pre>
        Console.WriteLine(arr[i]);
      Console.WriteLine("\n");
      max1 = max2 = arr[0];
      for (int i = 0; i < arr.Length; i++)
        if(arr[i] > max1)
          max2 = max1;
          max1 = arr[i];
        else if(arr[i] > max2)
          max2 = arr[i];
      Console.WriteLine("your first MAX number: " + max1);
      Console.WriteLine("your second MAX number: " + max2);
 }
```

7) Write a program to find first & second smollest number.

```
using System;
namespace demoprog
  class program
    public static void Main(string[] args)
      int min1, min2;
      int[] arr = { 45, 78, 12, 23, 56, 89, 37, 19, 52, 11 };
      for (int i = 0; i < arr.Length; i++)
        Console.WriteLine(arr[i]);
      Console.WriteLine("\n");
      min1 = min2 = arr[0];
      for (int i = 0; i < arr.Length; i++)
        if (arr[i] < min1)
          min2 = min1;
          min1 = arr[i];
        else if (arr[i] < min2)
          min2 = arr[i];
      Console.WriteLine("first smollest number is: " + min1);
      Console.WriteLine("second smollestnumber is: " + min2);
```

8) write program for Fibonacci Series.

```
using System;
namespace demoprog
{
 class program
   public static void Main(string[] args)
     int num1 = 0, num2 = 1,num3=0, range;
     Console.WriteLine("Enter your range : ");
     range = Convert.ToInt32(Console.ReadLine());
     Console.Write(num1 + " ");
     Console.Write(num2 + " ");
     while(range > 1)
       num3 = num1 + num2;
       Console.Write(num3 + " ");
       num1 = num2;
       num2 = num3;
       range--;
```

9) printing this pattern

```
2 1
  321
 4321
54321
using System;
namespace demoprog
  class program
  {
   public static void Main(string[] args)
      Console.WriteLine("Enter number to pattern:");
      int num = Convert.ToInt32(Console.ReadLine());
      for (int i=1; i<=num;i++)
       for (int k = 1; k \le num - i; k++)
          Console.Write(" ");
        for (int j = i; j >= 1; j--)
          Console.Write(j + " ");
        Console.WriteLine();
```

10) Write a program to sorting array.

11) Write a program to reverse sorting array.

12) write a program to find factorial of number.

```
using System;
namespace sotring
{
    class program
    {
        public static void Main(string[] args)
        {
            int num, fact = 1;
            Console.WriteLine("Enter number for factorial:");
            num = Convert.ToInt32(Console.ReadLine());
            for (int i = 1; i < num; i++)
            {
                 fact = fact * i;
            }
                 Console.WriteLine("the factorial of {0} is {1}", num, fact);
        }
}</pre>
```

13) Find Highest Salary From Employee table in SQL.

select MAX(Salary) from Employee

13) Find Highest Second Salary From Employee table in SQL.

select MAX(Salary) from Employee where Salary not in (select MAX(Salary) from Employee)

13) Find Smollest Salary From Employee table in SQL.

select min(Salary) from Employee

13) Find Smollest Second Salary From Employee table in SQL.

select min(Salary) from Employee where Salary not in (select min(Salary) from Employee)