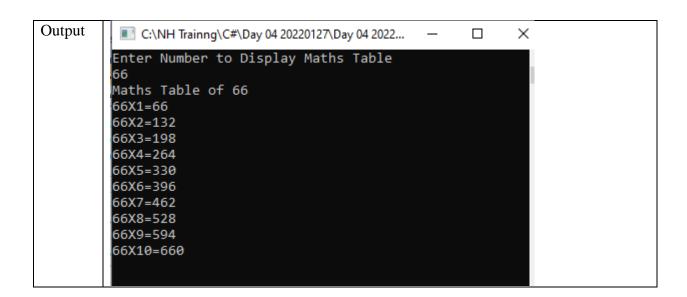
20 C# programs Assignment Day 4 Assignment on 27/01/2022 By P.V.Subramanyam

```
Q No
Program
          Multiplication Table of given number
Code
          using System;
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day_04_20220127
            class Program
               static void Main(string[] args)
                 //Setting up i.e., Declare & initiation Section
                 int Num, Loop_Index;
                 // Accepting user input or colleting base data
                 Console.WriteLine("Enter Number to Display Maths Table");
                 Num = Convert.ToInt32(Console.ReadLine());
                 // Processing & Displaying output
                 Console.WriteLine("Maths Table of " + Num);
                 for (Loop_Index = 1; Loop_Index <= 10; Loop_Index++)</pre>
                   Console.WriteLine(Num + "X" + Loop_Index + "=" + Num * Loop_Index);
                 Console.ReadLine();
               }
            }
```



```
Q No
Program
          Print Factorial of a given number
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day_04_20220127
              class Program
                  static void Main(string[] args)
                      //Setting up i.e., Declare & initiation Section
                      int Num, Loop_Index, Factorial=1;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Number to Calculate Factorial");
                      Num = Convert.ToInt32(Console.ReadLine());
                      // Processing
                      for (Loop_Index = 1; Loop_Index <= Num; Loop_Index++)</pre>
                          Factorial = Factorial * Loop_Index;
                      // Displaying output
                      Console.WriteLine("Factorial of " + Num+" is :"+ Factorial);
                      Console.ReadLine();
                  }
              }
Output
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127...
                                                                  X
          Enter Number to Calculate Factorial
          Factorial of 5 is :120
```

```
Q No
Program
          Print Sum of first n natural numbers
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day 04 20220127
              class Program
                  static void Main(string[] args)
                       //Print Sum of first n natural numbers
                      //Setting up i.e., Declare & initiation Section
                       int Num, Loop_Index,Sum=0;
                       // Accepting user input or colleting base data
                       Console.WriteLine("Enter Number to calculate sum of natural number upto it and Display");
                       Num = Convert.ToInt32(Console.ReadLine());
                       // Processing & Displaying output
                       for (Loop Index = 1; Loop Index <= Num; Loop Index++)</pre>
                           Sum = Sum + Loop_Index;
                       // Processing & Displaying output
                       Console.WriteLine("Sum of Nartual numbers upto "+Num+" is "+Sum);
                      Console.ReadLine();
                  }
              }
Output
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 C to CS\Day 04 20220127\bi...
                                                                                                 X
          Enter Number to calculate sum of natural number upto it and Display
          55
          Sum of Nartual numbers upto 55 is 1540
```

```
Q No
Program
          Print Factorial using function
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day 04 20220127
              class Program
                  public static long Factorial(int n)
                       //Setting up i.e., Declare & initiation Section
                       int Loop_Index;
                       long Factorial = 1;
                       // Processing
                       for (Loop_Index = 1; Loop_Index <= n; Loop_Index++)</pre>
                           Factorial = Factorial * Loop_Index;
                       // Return
                       return Factorial;
                  static void Main(string[] args)
                       //Print Factorial using function
                       //Setting up i.e., Declare & initiation Section
                       int Num;
                       // Accepting user input or colleting base data
                       Console.WriteLine("Enter Number to calculate Factorial");
                       Num = Convert.ToInt32(Console.ReadLine());
                       // Processing i.e., calling function Displaying output
                       Console.WriteLine("Factorial of given number " + Num+" is "+ Factorial(Num));
                       Console.ReadLine();
                  }
              }
Output
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 C to ...
                                                                       ×
          Enter Number to calculate Factorial
          Factorial of given number 55 is 6711489344688881664
```

```
Q No
Program
          Print Factorial using recursion
          System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day 04 20220127
              class Program
                  public static long Factorial(long n)
                      // Processing & Return
                      if (n == 1)
                          return 1;
                      else
                          return n * Factorial(n - 1);
                  static void Main(string[] args)
                      //Print Factorial using recursion
                      //Setting up i.e., Declare & initiation Section
                      int Num;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Number to calculate Factorial");
                      Num = Convert.ToInt32(Console.ReadLine());
                      // Processing i.e., calling function Displaying output
                      Console.WriteLine("Factorial of given number " + Num+" is "+
          Factorial(Num));
                      Console.ReadLine();
                  }
              }
          }
Output
           C:\NH Training\C#\Day 04 20220127\Day 04 20220127 C to CS\Day 04 2...
                                                                              X
          Enter Number to calculate Factorial
          44
          Factorial of given number 44 is 2673996885588443136
```

```
Q No
Program
          Print factors of given number
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day 04 20220127
              class Program
              {
                         static void Main(string[] args)
                  {
                      //Print factors of given number
                      //Setting up i.e., Declare & initiation Section
                      int Num, Loop_Index;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Number to Display factors of it");
                      Num = Convert.ToInt32(Console.ReadLine());
                      // Processing & Displaying output
                      Console.WriteLine("Factors of "+Num+" are ");
                      for (Loop_Index=1;Loop_Index<=Num;Loop_Index++)</pre>
                          if(Num%Loop_Index==0)
                              Console.WriteLine(Loop_Index);
                      Console.ReadLine();
                  }
              }
Output
           C:\NH Trainng\C#\Day 04 20220127...
                                                            X
                                                     Factors of 45 are
```

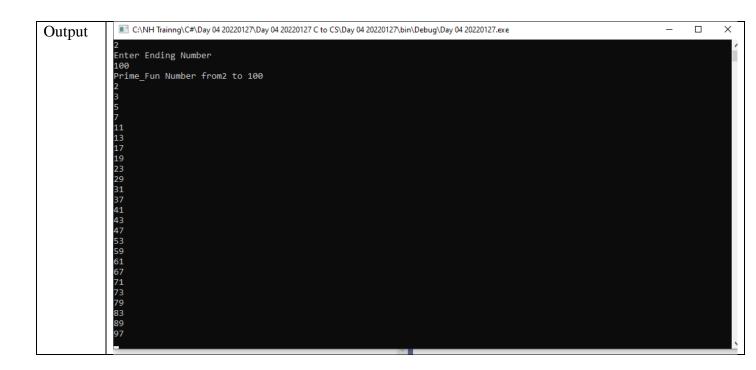
```
Q No
          6A
Program
          Print factors of given number (result as pairs)
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day 04 20220127
              class Program
              {
                         static void Main(string[] args)
                  {
                      //Print factors of given number
                      //Setting up i.e., Declare & initiation Section
                      int Num, Loop_Index;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Number to Display factors of it");
                      Num = Convert.ToInt32(Console.ReadLine());
                      // Processing & Displaying output
                      Console.WriteLine("Factors of "+Num+" are ");
                      for (Loop_Index=1;Loop_Index<=Math.Sqrt(Num);Loop_Index++)</pre>
                          if(Num%Loop_Index==0)
                              Console.WriteLine(Loop_Index+","+Num/Loop_Index);
                      Console.ReadLine();
                  }
              }
Output
           C:\NH Trainng\C#\Day 04 202201...
                                                   ×
          Enter Number to Display factors of it
          Factors of 45 are
          1,45
          3,15
          5,9
```

```
Q No
Program
          Print power of given numbers a power b
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day 04 20220127
              class Program
              {
                         static void Main(string[] args)
                  {
                      //Print power of given numbers a power b
                      //Setting up i.e., Declare & initiation Section
                      int Base_Num, Expo_Num, Loop_Index, Power_Num=1;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Base Number which power to be
          calculated");
                      Base_Num = Convert.ToInt32(Console.ReadLine());
                      Console.WriteLine("Enter Exponent Number");
                      Expo_Num = Convert.ToInt32(Console.ReadLine());
                      // Processing
                      for (Loop_Index = 1; Loop_Index <= Expo_Num; Loop_Index++)</pre>
                          Power_Num = Power_Num * Base_Num;
                      // Displaying output
                      Console.WriteLine(Base_Num+" Power "+Expo_Num+" is "+Power_Num);
                      Console.ReadLine();
                  }
              }
Output
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 C to CS\D...
                                                                          ×
          Enter Base Number which power to be calculated
          Enter Exponent Number
          55 Power 6 is 1910836849
```

```
Q No
Program
          Prime number or not
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day 04 20220127
          {
              class Program
               static void Main(string[] args)
                      //Prime number or not
                      //Setting up i.e., Declare & initiation Section
                      int Num, Loop_Index;
                      bool Prime=true;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Number to prime or not ");
                      Num = Convert.ToInt32(Console.ReadLine());
                      // Processing
                      for (Loop_Index = 2; Loop_Index <= Math.Sqrt(Num); Loop_Index++)</pre>
                          if(Num%Loop_Index==0)
                          { Prime = false; break; }
                      // Check & Displaying output
                      if(Prime)
                          Console.WriteLine(Num+" is Prime Number ");
                       else
                          Console.WriteLine(Num + " not a Prime Number ");
                      Console.ReadLine();
                  }
              }
Output
                                                                                          Х
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 C to CS\Day 04 20220127\bin\D...
          Enter Number to prime or not
          991 is Prime Number
```

```
Q No
Program
         Prime number check using function
          using System;
Code
          using System.Collections.Generic;
         using System.Linq;
         using System.Text;
         using System.Threading.Tasks;
         namespace Day_04_20220127
              class Program
              public static bool Prime_Fun(int n)
                      //Setting up i.e., Declare & initiation Section
                      int Loop_Index;
                      //Processing & Return value
                      for (Loop_Index = 2; Loop_Index <= Math.Sqrt(n); Loop_Index++)</pre>
                          if (n % Loop_Index == 0) return false;
                      return true;
                  }
                  static void Main(string[] args)
                      //Prime number check using function
                      //Setting up i.e., Declare & initiation Section
                      int Num;
                      bool Prime;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Number to prime or not ");
                      Num = Convert.ToInt32(Console.ReadLine());
                      // calling function
                      Prime = Prime Fun(Num);
                      // Check & Displaying output
                      if(Prime)
                          Console.WriteLine(Num+" is Prime Number ");
                          Console.WriteLine(Num + " not a Prime Number ");
                      Console.ReadLine();
                  }
              }
Output
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 C to C...
                                                                       Enter Number to prime or not
          41 is Prime Number
```

```
Q No
          10
Program
          Prime numbers in range
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day 04 20220127
              class Program
              public static bool Prime_Fun(int n)
                      //Setting up i.e., Declare & initiation Section
                      int Loop_Index;
                      //Processing & Return value
                      for (Loop Index = 2; Loop Index <= Math.Sqrt(n); Loop Index++)</pre>
                          if (n % Loop_Index == 0) return false;
                      return true;
                  static void Main(string[] args)
                  {
                      //Prime numbers in range
                      //Setting up i.e., Declare & initiation Section
                      int From_Num, To_Num, Loop_index;
                      // Accepting user input or colleting base data
                      Console.WriteLine("To print prime number in Range. Enter starting Number ");
                      From_Num = Convert.ToInt32(Console.ReadLine());
                      Console.WriteLine("Enter Ending Number ");
                      To_Num = Convert.ToInt32(Console.ReadLine());
                      // Calling function i.e., Check & Displaying output
                      Console.WriteLine("Prime_Fun Number from"+From_Num+" to "+To_Num);
                      for(Loop index=From Num;Loop index<=To Num;Loop index++)</pre>
                          if (Prime Fun(Loop index))
                              Console.WriteLine(Loop index);
                      Console.ReadLine();
                  }
              }
```

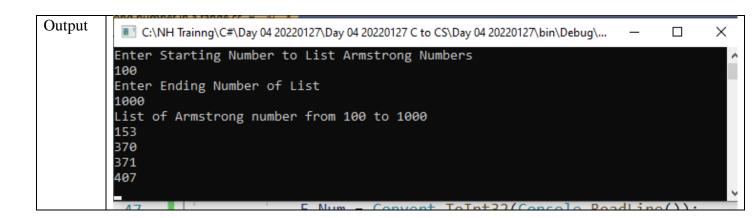


```
Q No
         11
Program
         Fibonacci series
          using System;
Code
          using System.Collections.Generic;
         using System.Linq;
         using System.Text;
         using System.Threading.Tasks;
         namespace Day 04 20220127
              class Program
                static void Main(string[] args)
                  {
                      //Fibonacci series
                      //Setting up i.e., Declare & initiation Section
                      int Num,F_Num=0,S_Num=1,Loop_index,Temp_Num;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Print how many of first Fibonacci numbers");
                      Num = Convert.ToInt32(Console.ReadLine());
                      // Procesing & Displaying output
                      Console.WriteLine("First "+Num+" Fibonacci numbers are ");
                      Console.WriteLine(F Num);
                      Console.WriteLine(S_Num);
                      for (Loop_index = 2; Loop_index < Num; Loop_index++)</pre>
                          Console.WriteLine(F_Num + S_Num);
                          Temp_Num = F_Num;
                          F_Num = S_Num;
                          S_Num = F_Num + Temp_Num;
                      }
                      Console.ReadLine();
                  }
              }
Output
                                                          Х
           C:\NH Trainng\C#\Day 04 2022012...
                                                   Print how many of first Fibonacci numbers
          First 5 Fibonacci numbers are
```

```
Q No
          12
Program
          Armstrong number
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day_04_20220127
              class Program
                static void Main(string[] args)
                  {
                      //Armstrong number -Armstrong number definition is the number in any given number base,
                      //which forms the total of the same number, when each of its digits is raised to the
                      // power of the number of digits in the number.
                      // 1, 2, 3, 4, 5, 6, 7, 8, 9, 153, 370, 371, 407, 1634, 8208, 9474, 54748
                      //Setting up i.e., Declare & initiation Section
                      int Num,Test_Num,Proc_Num, Rem_Dig,Loop_index,Num_Index,Dig_Pow;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter a Number for check ing Armstrong Number or not ");
                      Num = Convert.ToInt32(Console.ReadLine());
                      // Procesing
                      // find number of digits in given number
                      for (Num_Index = 0, Proc_Num = Num; Proc_Num > 0; Num_Index++, Proc_Num /= 10);
                      // Suming each digit to power of number of digits
                      Test_Num = 0;
                      Proc_Num = Num;
                      do
                      {
                           Rem_Dig = Proc_Num % 10;
                           Dig_Pow = 1;
                           for (Loop_index = 0; Loop_index < Num_Index; Loop_index++)</pre>
                               Dig Pow = Dig Pow*Rem Dig;
                           Test Num = Test Num + Dig Pow;
                           Proc_Num /= 10;
                      } while (Proc_Num > 0);
                      // Check & Displaying output
                      if(Test Num==Num)
                           Console.WriteLine(Num+ " is a Armstrong number");
                           Console.WriteLine(Num + " is not a Armstrong number");
                      Console.ReadLine();
                  }
              }
Output
           C:\NH Trainng\C#\Day 04 20220127\Day 04 202201...
                                                                  Х
          Enter a Number for check ing Armstrong Number or not
          1634
          1634 is a Armstrong number
```

```
Q No
          13
Program
          Armstrong number using function
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day_04_20220127
          {
          class Program
              {
                  public static bool Armstrong(int Num1)
                      int Test Num, Proc Num, Rem Dig, Loop index, Num Index, Dig Pow;
                      // Procesing
                      // find number of digits in given number
                      for (Num_Index = 0, Proc_Num = Num1; Proc_Num > 0; Num_Index++, Proc_Num /= 10);
                      // Suming each digit to power of number of digits
                      Test Num = 0;
                      Proc_Num = Num1;
                      do
                      {
                          Rem_Dig = Proc_Num % 10;
                          Dig_Pow = 1;
                          for (Loop index = 0; Loop index < Num Index; Loop index++)</pre>
                              Dig Pow = Dig Pow * Rem Dig;
                          Test_Num = Test_Num + Dig_Pow;
                          Proc_Num /= 10;
                      } while (Proc_Num > 0);
                      if (Test Num == Num1) return true;
                      else return false;
                  }
                  static void Main(string[] args)
                      //Setting up i.e., Declare & initiation Section
                      int Num;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter a Number for check ing Armstrong Number or not ");
                      Num = Convert.ToInt32(Console.ReadLine());
                     // Check & Displaying output
                      if(Armstrong(Num))
                          Console.WriteLine(Num+ " is a Armstrong number");
                       else
                          Console.WriteLine(Num + " is not a Armstrong number");
                      Console.ReadLine();
                  }
              }
Output
                                                                                            X
            C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 C to CS\Day 04 20220127\bin\Debu...
          Enter a Number for check ing Armstrong Number or not
          54748
          54748 is a Armstrong number
```

```
O No
Program
          Armstrong number in a range
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day_04_20220127
          {
          class Program
              {
                  public static bool Armstrong(int Num1)
                      int Test Num, Proc Num, Rem Dig, Loop index, Num Index, Dig Pow;
                      // Procesing
                      // find number of digits in given number
                      for (Num_Index = 0, Proc_Num = Num1; Proc_Num > 0; Num_Index++, Proc_Num /= 10);
                      // Suming each digit to power of number of digits
                      Test Num = 0;
                      Proc_Num = Num1;
                      {
                          Rem_Dig = Proc_Num % 10;
                          Dig_Pow = 1;
                          for (Loop index = 0; Loop index < Num Index; Loop index++)</pre>
                              Dig Pow = Dig Pow * Rem Dig;
                          Test_Num = Test_Num + Dig_Pow;
                          Proc Num /= 10;
                      } while (Proc_Num > 0);
                      // Check & Displaying output
                      if (Test_Num == Num1) return true;
                      else return false;
                  }
                  static void Main(string[] args)
                      //Setting up i.e., Declare & initiation Section
                      int F_Num,T_Num,Loop_Index;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Starting Number to List Armstrong Numbers ");
                      F_Num = Convert.ToInt32(Console.ReadLine());
                      Console.WriteLine("Enter Ending Number of List ");
                      T_Num = Convert.ToInt32(Console.ReadLine());
                      // Check & Displaying output
                      Console.WriteLine("List of Armstrong number from " + F Num + " to " + T Num);
                      for(Loop Index=F Num;Loop Index<=T Num;Loop Index++)</pre>
                      if (Armstrong(Loop Index))
                          Console.WriteLine(Loop Index);
                      Console.ReadLine();
                  }
              }
          }
```



```
Q No
          15
Program
          Sum of digits of given number
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day_04_20220127
          class Program
             {
                  static void Main(string[] args)
                      //Sum of digits of given number
                      //Setting up i.e., Declare & initiation Section
                      int Num,Sum_Dig,Temp_Num;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Number to find sum of digits");
                      Num = Convert.ToInt32(Console.ReadLine());
                      // Procssing
                      Temp_Num = Num;
                      Sum_Dig = 0;
                      while (Temp_Num > 0)
                          Sum_Dig += Temp_Num % 10;
                          Temp_Num /= 10;
                      Console.WriteLine(" Sum of digits of "+Num+" is "+Sum_Dig);
                      Console.ReadLine();
                  }
             }
          }
Output
                                                                  X
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 ...
          Enter Number to find sum of digits
          654
           Sum of digits of 654 is 15
```

```
Q No
          16
Program
         Reverse of given number
          using System;
Code
         using System.Collections.Generic;
         using System.Linq;
         using System.Text;
         using System.Threading.Tasks;
         namespace Day_04_20220127
          class Program
             {
                  static void Main(string[] args)
                      //Reverse of given number
                      //Setting up i.e., Declare & initiation Section
                      int Num, R_Num, Temp_Num;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Number for reversing ");
                      Num = Convert.ToInt32(Console.ReadLine());
                      // Procssing
                      Temp_Num = Num;
                      R Num = 0;
                      while (Temp_Num > 0)
                          R_Num=R_Num*10+Temp_Num % 10;
                          Temp_Num /= 10;
                      Console.WriteLine(" Reverse of "+Num+" is "+R_Num);
                      Console.ReadLine();
                  }
              }
Output
                                                                                 ×
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 C to CS\Da...
                                                                          Enter Number for reversing
          5634
           Reverse of 5634 is 4365
```

```
Q No
          Palindrome number
Program
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day 04 20220127
          class Program
              {
                  static void Main(string[] args)
                       //Palindrome number
                       //Setting up i.e., Declare & initiation Section
                       int Num, R_Num, Temp_Num;
                       // Accepting user input or colleting base data
                       Console.WriteLine("Enter a Number for Palindrome number checking ");
                       Num = Convert.ToInt32(Console.ReadLine());
                       // Procssing
                       Temp_Num = Num;
                       R Num = 0;
                       while (Temp_Num > 0)
                           R_Num=R_Num*10+Temp_Num % 10;
                           Temp_Num /= 10;
                       }
                      // Display Output
                       if (Num == R_Num)
                           Console.WriteLine(Num + " is a Palidrome Number");
                           Console.WriteLine(Num + "is not a Palidrome Number");
                       Console.ReadLine();
                  }
              }
Output
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 C to CS\Day 04 20220127\bin\Debug\Day 04 20220127.exe
          Enter a Number for Palindrome number checking
          7543457
           7543457 is a Palidrome Number
```

```
Q No
Program
         Swap numbers using third variable
          using System;
Code
          using System.Collections.Generic;
         using System.Linq;
         using System.Text;
         using System.Threading.Tasks;
         namespace Day_04_20220127
          class Program
             {
                  static void Main(string[] args)
                      //Setting up i.e., Declare & initiation Section
                      int Num1, Num2, Temp_Num;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Two Numbers for Swaping them ");
                      Num1 = Convert.ToInt32(Console.ReadLine());
                      Num2 = Convert.ToInt32(Console.ReadLine());
                      // Procssing
                      Temp_Num = Num1;
                      Num1 = Num2;
                      Num2 = Temp_Num;
                      // Display Output
                      Console.WriteLine("Swaped numbers are "+Num1+" & "+Num2);
                      Console.ReadLine();
                  }
             }
         }
Output
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 C to ...
                                                                     X
          Enter Two Numbers for Swaping them
          234
          678
          Swaped and numbers are 678 & 234
```

```
Q No
Program
         Swap numbers without using third variable
          using System;
Code
         using System.Collections.Generic;
         using System.Linq;
         using System.Text;
         using System.Threading.Tasks;
         namespace Day 04 20220127
          class Program
             {
                  static void Main(string[] args)
                      //Swap numbers without using third variable
                      //Setting up i.e., Declare & initiation Section
                      int Num1, Num2;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Two Numbers for Swaping them ");
                      Num1 = Convert.ToInt32(Console.ReadLine());
                      Num2 = Convert.ToInt32(Console.ReadLine());
                      // Procssing
                      Num1 = Num1 + Num2;
                      Num2 = Num1 - Num2;
                      Num1 = Num1 - Num2;
                      // Display Output
                      Console.WriteLine("Swaped and numbers are "+Num1+" & "+Num2);
                      Console.ReadLine();
                  }
             }
         }
Output
           C:\NH Trainng\C#\Day 04 20220127\Day 04 20220127 C t...
                                                                     ×
          Enter Two Numbers for Swaping them
          456
          789
          Swaped and numbers are 789 & 456
```

```
Q No
          Print stars(*) in pattern (right angle triangle pattern)
Program
          using System;
Code
          using System.Collections.Generic;
          using System.Linq;
          using System.Text;
          using System.Threading.Tasks;
          namespace Day 04 20220127
          class Program
              {
                  static void Main(string[] args)
                      //Print stars(*) in pattern (right angle triangle pattern)
                      //Setting up i.e., Declare & initiation Section
                      int Num_Rows, Loop_Index1, Loop_Index2;
                      // Accepting user input or colleting base data
                      Console.WriteLine("Enter Number of Rows ");
                      Num_Rows = Convert.ToInt32(Console.ReadLine());
                      // Procssing & Display Output
                      for (Loop_Index1 = 0; Loop_Index1 < Num_Rows; Loop_Index1++)</pre>
                          for (Loop_Index2 = 0; Loop_Index2 <= Loop_Index1; Loop_Index2++)</pre>
                               Console.Write("* ");
                          Console.WriteLine("");
                      }
                      Console.ReadLine();
                  }
              }
Output
           C:\NH Trainng\C#\Day 04 2022012...
                                                            ×
          Enter Number of Rows
```