2.A.1 Finding factorial Value

```
using System;
 public class FactorialExample
  {
    public static void Main(string[] args)
     {
      int i,fact=1,number;
      Console.Write("Enter any Number: ");
      number= int.Parse(Console.ReadLine());
      for(i=1;i<=number;i++){
       fact=fact*i;
      }
      Console.Write("Factorial of " +number+" is: "+fact);
    }
 }
```

2.A.2 Money Conversion

```
using System;
namespace Demo {
  public class Program {
    public static void Main(string[] args) {
      Double usd, inr, val;
      // how many dpllars
      usd = 10;
      // current value of US$
      val = 69;
      inr = usd * val;
      Console.WriteLine("{0} Dollar = {1} INR", usd, inr);
    }
  }
}
```

2.A.3 Quadratic Equation

```
using System;
public class Exercise11
{
    public static void Main()
{
   int a,b,c;

   double d, x1,x2;
    Console.Write("\n\n");
    Console.Write("Calculate root of Quadratic Equation :\n");
    Console.Write("----------------------------------------");
    Console.Write("\n\n");

    Console.Write("Input the value of a : ");
    a = Convert.ToInt32(Console.ReadLine());
    Console.Write("Input the value of b : ");
    b = Convert.ToInt32(Console.ReadLine());
    Console.Write("Input the value of c : ");
    c = Convert.ToInt32(Console.ReadLine());

   d=b*b-4*a*c;
   if(d==0)
   {
     Console.Write("Both roots are equal.\n");
     x1=-b/(2.0*a);
     x2=x1;
     Console.Write("First  Root Root1= {0}\n",x1);
```

```
    Console.Write("Second Root Root2= {0}\n",x2);
  }
  else if(d>0)
        {
          Console.Write("Both roots are real and diff-2\n");

          x1=(-b+Math.Sqrt(d))/(2*a);
          x2=(-b-Math.Sqrt(d))/(2*a);

          Console.Write("First  Root Root1= {0}\n",x1);
          Console.Write("Second Root root2= {0}\n",x2);
        }
        else
           Console.Write("Root are imeainary;\nNo Solution. \n\n");
}
}
```

2.A.4 Temperature Conversion

```
using System;
namespace Celsius
{
   class CelsiusToFahrenheit
   {
      static void Main(string[] args)
      {
         Console.Write("Enter temperature in Celsius : ");
         double celsius = Convert.ToDouble(Console.ReadLine());
         double fahrenheit = ((celsius * 9) / 5) + 32;
         Console.WriteLine("The converted fahrenheit temperature is : " + fahrenheit);
         Console.ReadLine();
      }
   }
}
```