C# applications for Input Output techniques

Application 1 :

C# application which demonstrates the Input output mechanisms

```
// ReadLine is used to accept the input and WriteLine is used to display the output

using System;

 class Program
{
        static void Main(string[] args)
        {
            // Create local variable to accept the input
            int num = 0;
            string str;

            Console.WriteLine("Enter number");

            // Accept the input and convert into integer

            num = Convert.ToInt32(Console.ReadLine());

            Console.WriteLine("Entered number is {0}",num);

            Console.WriteLine("Enter string");

            // Accept the input

            str = Console.ReadLine();

            Console.WriteLine("Entered string is {0}", str);
        }
}

/*
```

There are different inbuilt functions which are used to convert data types explicitly as.

ToBoolean -	Converts a type to a Boolean value, where possible.
ToByte -	Converts a type to a byte.
ToChar -	Converts a type to a single Unicode character, where possible.
ToDateTime -	Converts a type (integer or string type) to date-time structures.
ToDecimal -	Converts a floating point or integer type to a decimal type.
ToDouble -	Converts a type to a double type.
ToInt16 -	Converts a type to a 16-bit integer.
ToInt32 -	Converts a type to a 32-bit integer.
ToInt64 -	Converts a type to a 64-bit integer.
ToSbyte -	Converts a type to a signed byte type.

ToSingle - Converts a type to a small floating point number.

ToString - Converts a type to a string.

ToUInt16 - Converts a type to an unsigned int type.

ToUInt32 - Converts a type to an unsigned long type.

ToUInt64 - Converts a type to an unsigned big integer.

*/

Application 2 :

C# application which demonstrates the concept of Command Line arguments.

```
using System;

   class Marvellous
   {
      static void Main(string[] args)
      {
         Console.WriteLine(“Command line arguments are : ”);

         for (int i = 0; i < args.Length; i++ )
         {
            Console.WriteLine("Argument number {0} is {1}”,i , args[i]);
         }
      }
   }
```