Assignment 1

1- Write a program that allows the user to enter a number then print it.

_____

2- Write C# program that converts a string to an integer, but the string contains non-numeric characters. And mention what will happen

_____

3- Write C# program that Perform a simple arithmetic operation with floating-point numbers And mention what will happen

_____

4- Write C# program that Extract a substring from a given string.

_____

5- Write C# program that Assigning one value type variable to another and modifying the value of one variable and mention what will happen

_____

6- Write C# program that Assigning one reference type variable to another and modifying the object through one variable and mention what will happen

7- Write C# program that take two string variables and print them as one variable

8- Which of the following statements is correct about the C#.NET code snippet given below?

```
int d;
d = Convert.ToInt32( !(30 < 20) );
```

a) A value 0 will be assigned to d.
b) A value 1 will be assigned to d.
c) A value -1 will be assigned to d.
d) The code reports an error.
e) The code snippet will work correctly if ! is replaced by Not.

9- Which of the following is the correct output for the C# code given below?

```
Console.WriteLine(13 / 2 + " " + 13 % 2);
```

a) 6.5 1
b) 6.5 0
c) 6 0
d) 6 1
e) 6.5 6.5

10- What will be the output of the C# code given below?

```
int num = 1, z = 5;

if (!(num <= 0))
    Console.WriteLine( ++num + z++ + " " + ++z );
else
    Console.WriteLine( --num + z-- + " " + --z );
```

a) 5 6
b) 6 5
c) 6 6
d) 7 7