C# BASICS

using System;

using System.Collections.Generic;

using System.Text;

namespace First\_Project

{

class Basics

{

static void Main(string[] args)

{

Console.WriteLine("This is my first line to print"); //print a statement

/\*

int i = 45; //variable declaration

double j = 5.54;

string s = "aseeth";

char c = 'A';

bool b = true;

int val = Convert.ToInt32 (j);

int val1 = (int)j; //converting double value into integer manual casting.

//User input

Console.WriteLine("enter u r age:");

int age = Convert.ToInt32(Console.ReadLine()); //ReadLine() function for getting input from the user.

Console.WriteLine("your age is " + age);

//using operators

Console.WriteLine("the multiplication is: "+ (i\*j)); //using operators.\*/

/\*List<int> mylist= new List<int>(); // Creating empty list in c# and adding one element

mylist.Add(10);

foreach (int l in mylist){

Console.WriteLine(l);

}

Console.ReadKey();

List<int> myList = new List<int>() { 1,2,3,4,5};

Console.WriteLine("Index" + " " + "value");

for (int l=0;l<myList.Count;l++) {

Console.WriteLine(l +" " +myList[l]);

}

\*/

//C# MATH CLASS

/\*

Console.WriteLine(Math.Max(5, 10));

Console.WriteLine(Math.Min(5, 10));

Console.WriteLine(Math.Sqrt(36));

Console.WriteLine(Math.Round(9.34));

\*/

/\*

//C# STRINGS

string name = "aseeth";

Console.WriteLine("The length of name is "+name.Length);

//Here Length is a property

Console.WriteLine("Upper case: "+ name.ToUpper()); //Here ToUpper() is a method

Console.WriteLine("Lowe case: " + name.ToLower());

string name1 = "nani";

string full\_nmae = name+' '+name1; //string concatintion

//string full\_nmae = string.Concat(name,name1); //By using Concat() method done string concatination

Console.WriteLine("full name is "+full\_nmae);

//String Interpolation//

string fullname = $"my full name is:{name}{name1} ";

Console.WriteLine(fullname);

//Access Strings//

Console.WriteLine(fullname[4]);

Console.WriteLine(fullname[6]);

Console.WriteLine(name.IndexOf("t")); \*/

/\*

//C# Booleans

bool a = true;

bool b = false;

Console.WriteLine(a);

int c = 5;

int d = 10;

Console.WriteLine(c>d);\*/

/\*

//C# If ... Else

int a = 25;

if (a < 20){

Console.WriteLine("Gud Morning");

}

else if (a == 20){

Console.WriteLine("Gud afternoon");

}

else {

Console.WriteLine("Gud evnig");

}

//Short Hand If...Else (Ternary Operator)

int b = 10;

string result = (b > 16) ? "Gud afternoo" : "Gud morning";

Console.Write(result);\*/

//Ternary Operator in Python

a = 10

b = 20

max = a if a>b else b

print(max)

}

}

}