Reg N0: 21091/2023 Le 13/1/2024

Module: Visual Programming

**Individual Assignment**

1. Change the Greeting

• Modify the Console.WriteLine statement to say "Good morning, world!".

Solution:

using System;

class Program

{

static void Main ()

{

Console.WriteLine("Good morning, world!");

}

}

1. Add a Personal Touch

• Add another Console.WriteLine statement that says "My name is [your name]".

Solution:

using System;

class Program

{

static void Main ()

{

Console.WriteLine("Good Evening, world!");

Console.WriteLine("My name is John Iranyumva");

}

}

1. Simple Math

• Add a line that prints the result of a simple arithmetic operation, like 5 + 3.

Solution:

class Program

{

static void Main ()

{

// Simple arithmetic operation

int result = 5 + 3;

Console.WriteLine("Result of 5 + 3 is: " + result);

}

}

1. Multiple Lines

• Modify the program to print out three different lines of text, each on a new line.

Solution:

using System;

class Program

{

static void Main ()

{

// Print three different lines

Console.WriteLine("This is the first line.");

Console.WriteLine("This is the second line.");

Console.WriteLine("And this is the third line.");

}

}

1. Using Variables

• Introduce a string variable to hold your name and use it in a Console.WriteLine statement.

Solution:

using System;

class Program

{

static void Main ()

{

// Declare a string variable for your name

string yourName = "JOHN";

Console.WriteLine("My name is " + yourName);

}

}

1. Concatenate Strings

• Use string concatenation to combine two strings in a Console.WriteLine statement.

Solution:

using System;

class Program

{

static void Main ()

{

// Concatenate two strings in a Console.WriteLine statement

string firstString = "Hello";

string secondString = "World";

Console.WriteLine(firstString + " " + secondString);

}

}

1. User Input

• Add a line to read user input with Console.ReadLine() and then print it out.

Solution:

using System;

class Program

{

static void Main ()

{

// Read user input and print it out

Console.Write("Enter something: ");

string userInput = Console.ReadLine();

Console.WriteLine("You entered: " + userInput);

}

}

1. Commenting

• Add comments to the program explaining what each line of code does.

Solution:

using System;

class Program

{

static void Main ()

{

// Greeting

Console.WriteLine("Good morning, world!");

// Declare a string variable for your name

string yourName = "[Your Name]";

// Display name

Console.WriteLine("My name is " + yourName);

// Simple arithmetic operation

int result = 5 + 3;

Console.WriteLine("Result of 5 + 3 is: " + result);

// Print three different lines

Console.WriteLine("This is the first line.");

Console.WriteLine("This is the second line.");

Console.WriteLine("And this is the third line.");

// Concatenate two strings in a Console.WriteLine statement

string firstString = "Hello";

string secondString = "World";

Console.WriteLine(firstString + " " + secondString);

// Read user input and print it out

Console.Write("Enter something: ");

string userInput = Console.ReadLine();

Console.WriteLine("You entered: " + userInput);

}

}

1. Print a Number

• Use Console.WriteLine to print out a number (like your favorite number).

Solution:

using System;

class Program

{

static void Main ()

{

// Print your favorite number

int favoriteNumber = 7;

Console.WriteLine("My favorite number is: " + favoriteNumber);

}

}

1. Display Today's Date

• Add a line to display the current date using DateTime.Now

Solution:

using System;

class Program

{

static void Main ()

{

// Display today's date

DateTime currentDate = DateTime.Now;

Console.WriteLine("Today's date is: " + currentDate.ToShortDateString());

}

}