

## Assignment

Q: Write a java program to find the difference of two numbers. If first number is greater than second number then subtract second number with first number else subtract first number with second number

Program:

```
import java.util.Scanner;

class Diff {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("Enter the first number: ");

int firstNumber = sc.nextInt();

System.out.println("Enter the second number: ");

int secondNumber = sc.nextInt();

int result;

if (firstNumber > secondNumber)

{

result = secondNumber - firstNumber;

}

else

{

result= firstNumber - secondNumber;

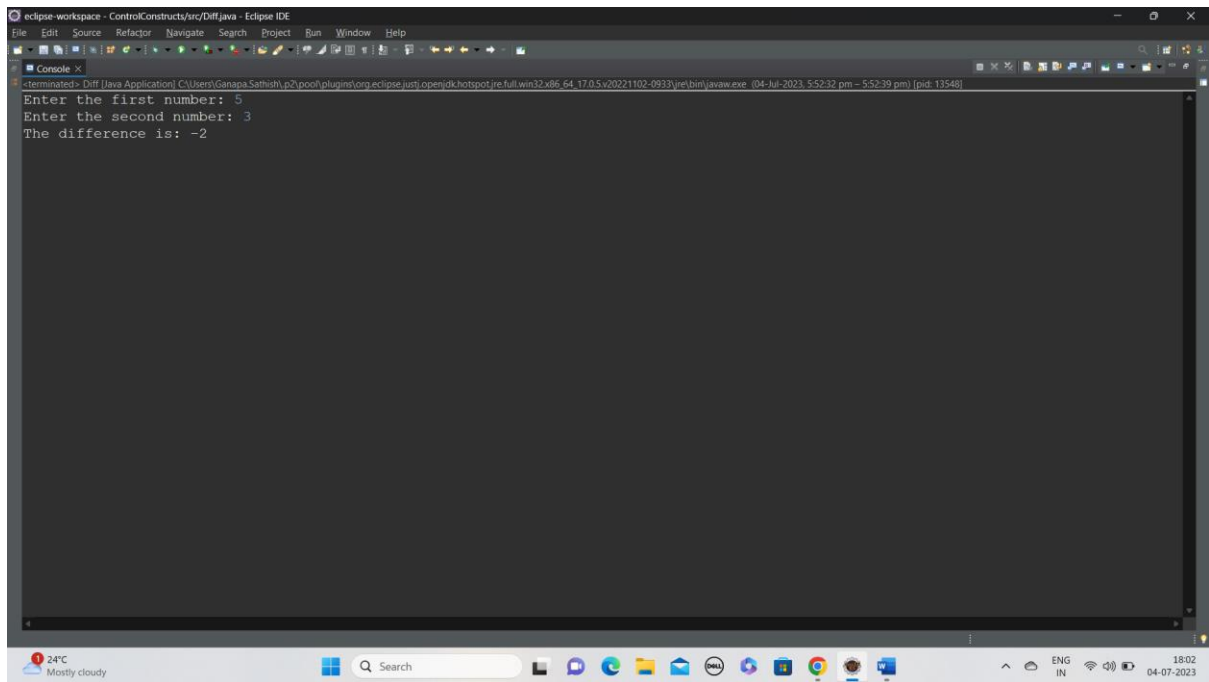
}

System.out.println("The difference is: " + result);

}

}
```

## Output:



The screenshot shows the Eclipse IDE interface with a console window open. The console displays the output of a Java application. The text in the console is as follows:

```
<terminated> Diff [Java Application] C:\Users\Ganapa.Sathish\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.5.v20221102-0933\jre\bin\javaw.exe (04-Jul-2023, 5:52:32 pm - 5:52:39 pm) [pid: 13548]  
Enter the first number: 5  
Enter the second number: 3  
The difference is: -2
```

The console window is titled "Console x" and is located at the bottom of the Eclipse IDE. The IDE's title bar shows "eclipse-workspace - ControlConstructs/src/Diff.java - Eclipse IDE". The Windows taskbar is visible at the bottom of the screen, showing the date and time as 18:02 on 04-07-2023.