

Name: MALINAO, James Patrick M.

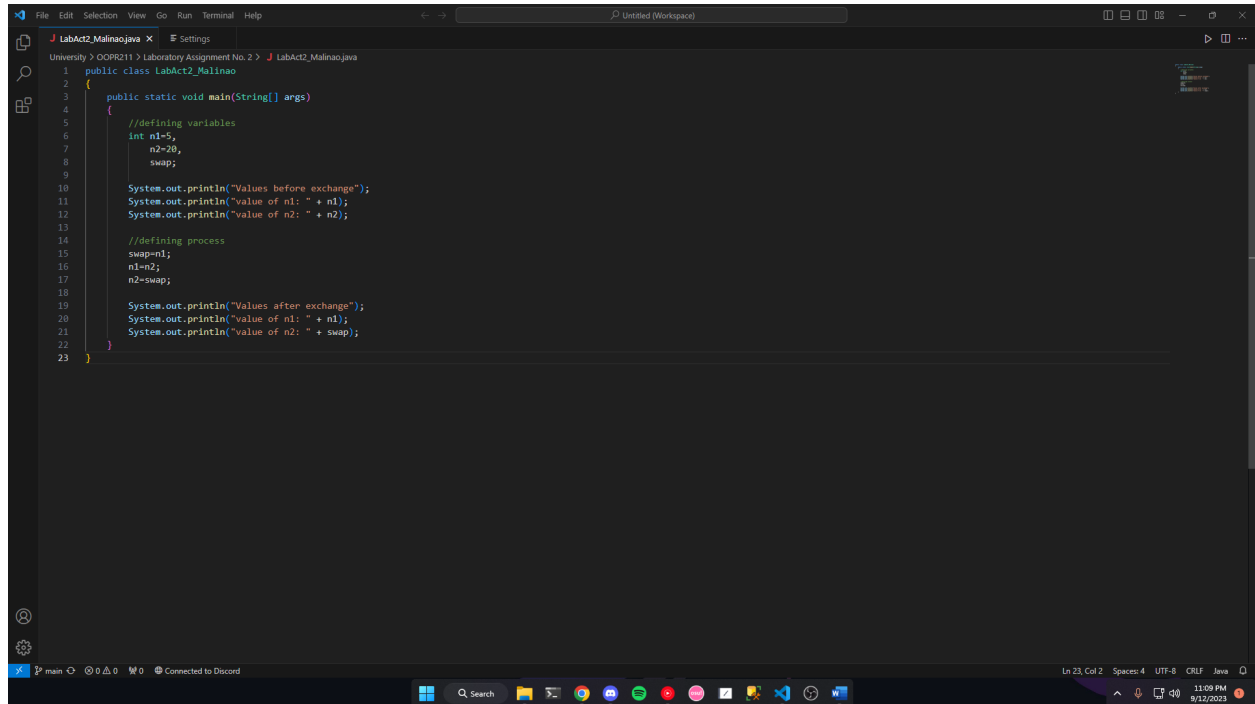
Subject: OOPR211

Section: 2-Y1-2

Date September 12, 2023

## Screenshots

Source code:



```
1 public class LabAct2_Malinao
2 {
3     public static void main(String[] args)
4     {
5         //defining variables
6         int n1=5,
7           n2=20,
8           swap;
9
10        System.out.println("Values before exchange");
11        System.out.println("value of n1: " + n1);
12        System.out.println("value of n2: " + n2);
13
14        //defining process
15        swap=n1;
16        n1=n2;
17        n2=swap;
18
19        System.out.println("Values after exchange");
20        System.out.println("value of n1: " + n1);
21        System.out.println("value of n2: " + swap);
22    }
23 }
```

The screenshot shows a code editor window titled 'Untitled (Workspace)' with a Java file named 'LabAct2\_Malinao.java'. The code implements a swap function for two integers, n1 and n2. It uses a temporary variable 'swap' to store the value of n1 before swapping it with n2. The program prints the values before and after the swap. The IDE interface includes a menu bar (File, Edit, Selection, View, Go, Run, Terminal, Help), a toolbar, and a status bar at the bottom showing 'Ln 23, Col 2, Spaces: 4, UTF-8, CRLF, Java'.

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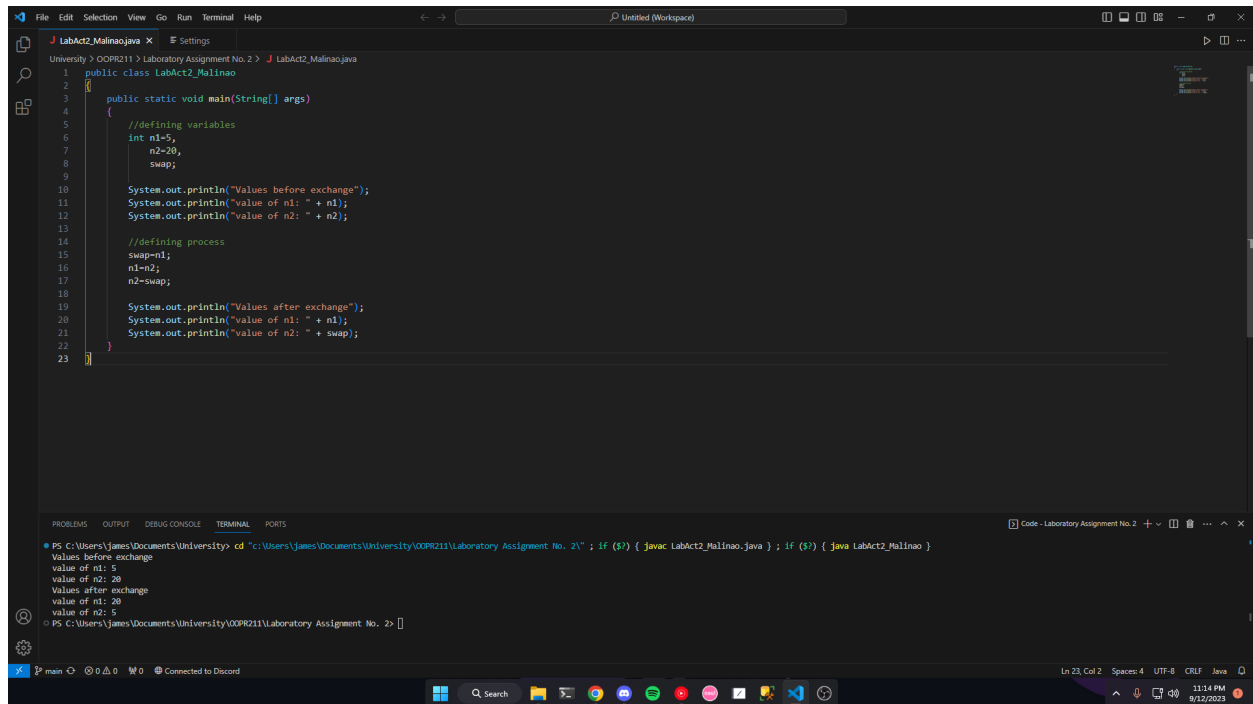
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## Output

via VS Code: Integrated Terminal



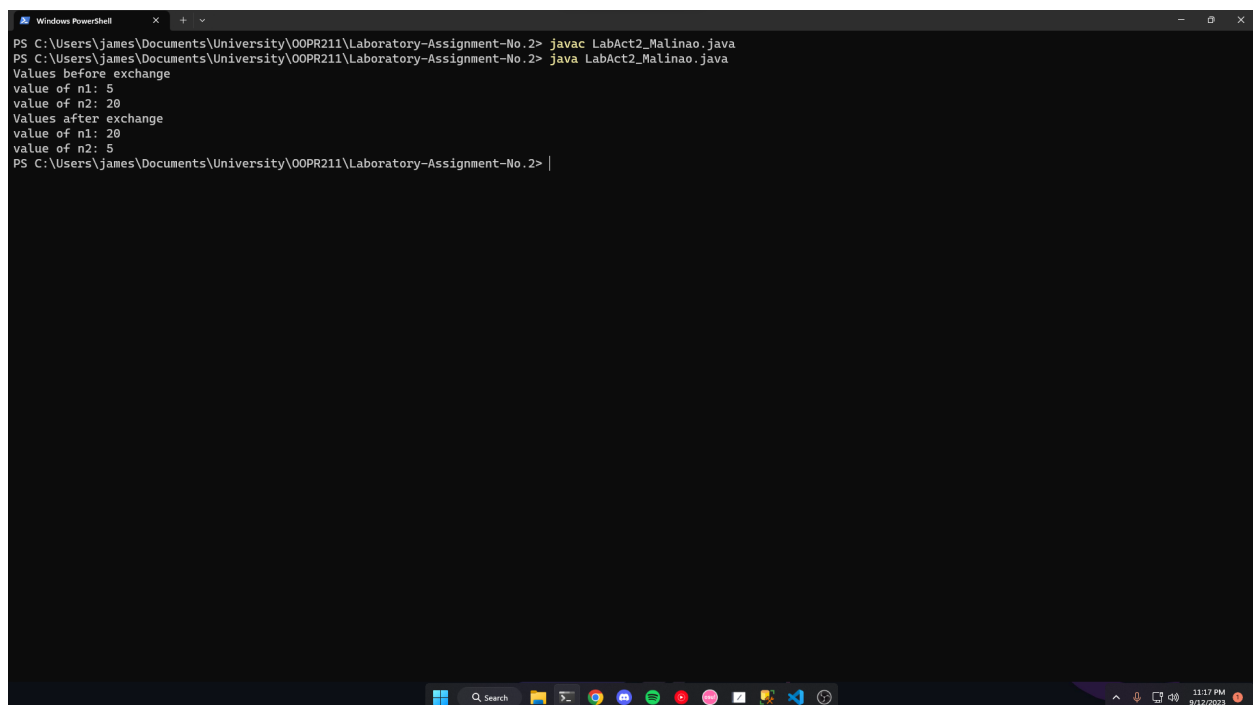
The screenshot shows the Visual Studio Code editor with a Java file named `LabAct2_Malinao.java`. The code implements a program to swap two integers, `n1` and `n2`, using a temporary variable `swap`. The program prints the values before and after the swap. The integrated terminal at the bottom shows the output of the program, which matches the expected results.

```
1 public class LabAct2_Malinao
2 {
3     public static void main(String[] args)
4     {
5         //defining variables
6         int n1=5;
7         int n2=20;
8         int swap;
9
10        System.out.println("Values before exchange");
11        System.out.println("value of n1: " + n1);
12        System.out.println("value of n2: " + n2);
13
14        //defining process
15        swap=n1;
16        n1=n2;
17        n2=swap;
18
19        System.out.println("Values after exchange");
20        System.out.println("value of n1: " + n1);
21        System.out.println("value of n2: " + n2);
22    }
23 }
```

Output:

```
PS C:\Users\james\Documents\University\OOPR211\Laboratory Assignment No. 2> cd "c:\Users\james\Documents\University\OOPR211\Laboratory Assignment No. 2"; if ($?) { javac LabAct2_Malinao.java } ; if ($?) { java LabAct2_Malinao }
Values before exchange
value of n1: 5
value of n2: 20
Values after exchange
value of n1: 20
value of n2: 5
PS C:\Users\james\Documents\University\OOPR211\Laboratory Assignment No. 2>
```

via PowerShell:



The screenshot shows a Windows PowerShell terminal window. The user has navigated to the directory `C:\Users\james\Documents\University\OOPR211\Laboratory Assignment No. 2` and executed the `javac` and `java` commands to compile and run the `LabAct2_Malinao.java` file. The output of the program is displayed in the terminal, showing the values of `n1` and `n2` before and after the swap.

```
PS C:\Users\james\Documents\University\OOPR211\Laboratory Assignment No. 2> javac LabAct2_Malinao.java
PS C:\Users\james\Documents\University\OOPR211\Laboratory Assignment No. 2> java LabAct2_Malinao.java
Values before exchange
value of n1: 5
value of n2: 20
Values after exchange
value of n1: 20
value of n2: 5
PS C:\Users\james\Documents\University\OOPR211\Laboratory Assignment No. 2>
```