

Name: MALINAO, James Patrick M.

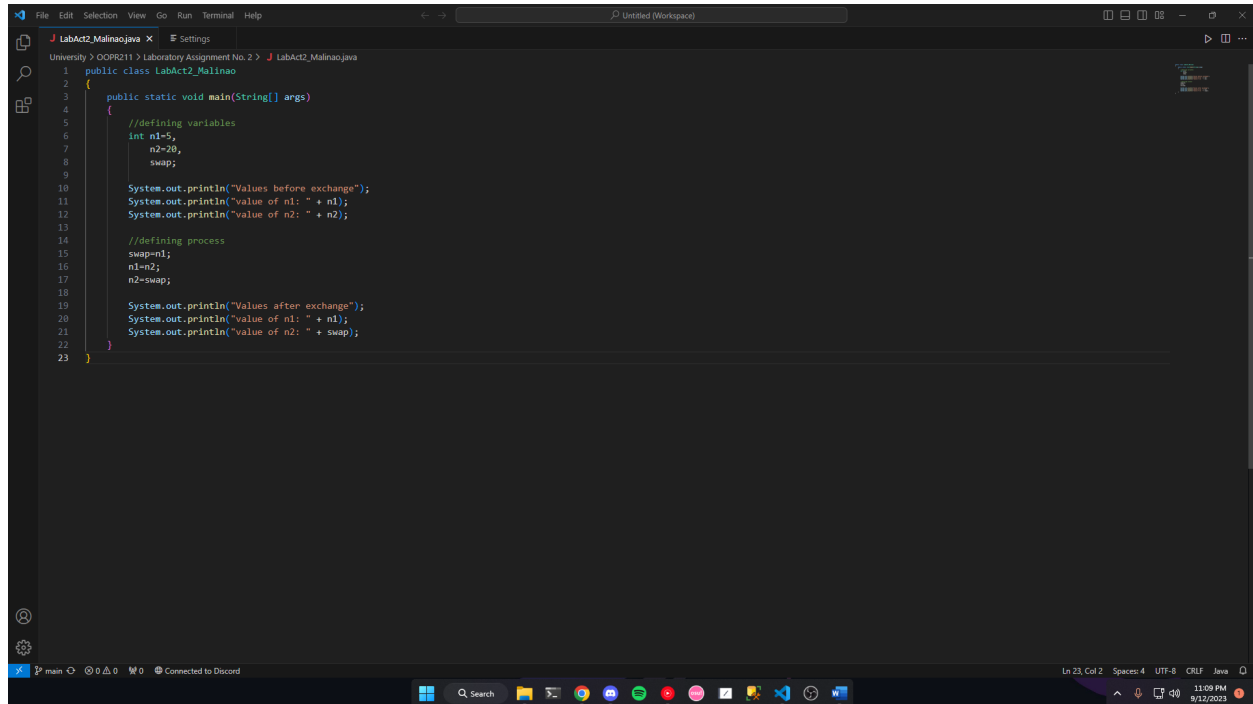
Subject: OOPR211

Section: 2-Y1-2

Date: September 12, 2023

Screenshots

Source code:



The screenshot shows a code editor window with the following Java 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 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". The Windows taskbar is visible at the very bottom.

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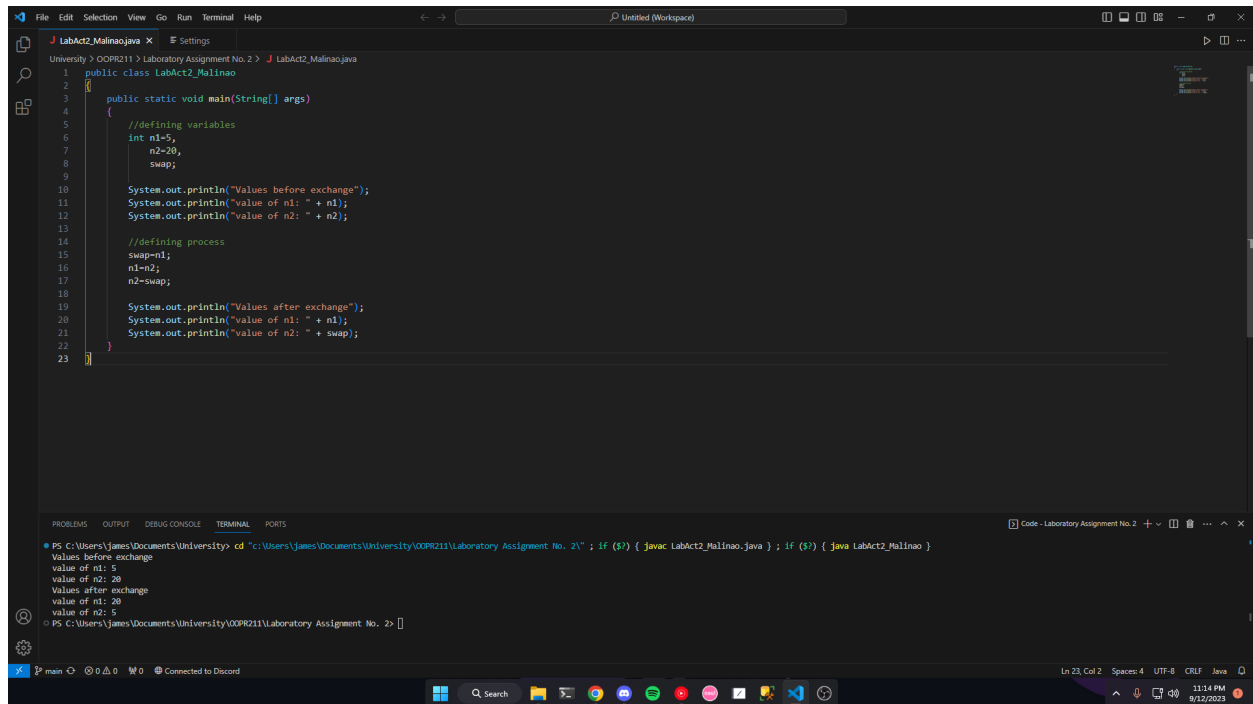
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Output

via VS Code: Integrated Terminal



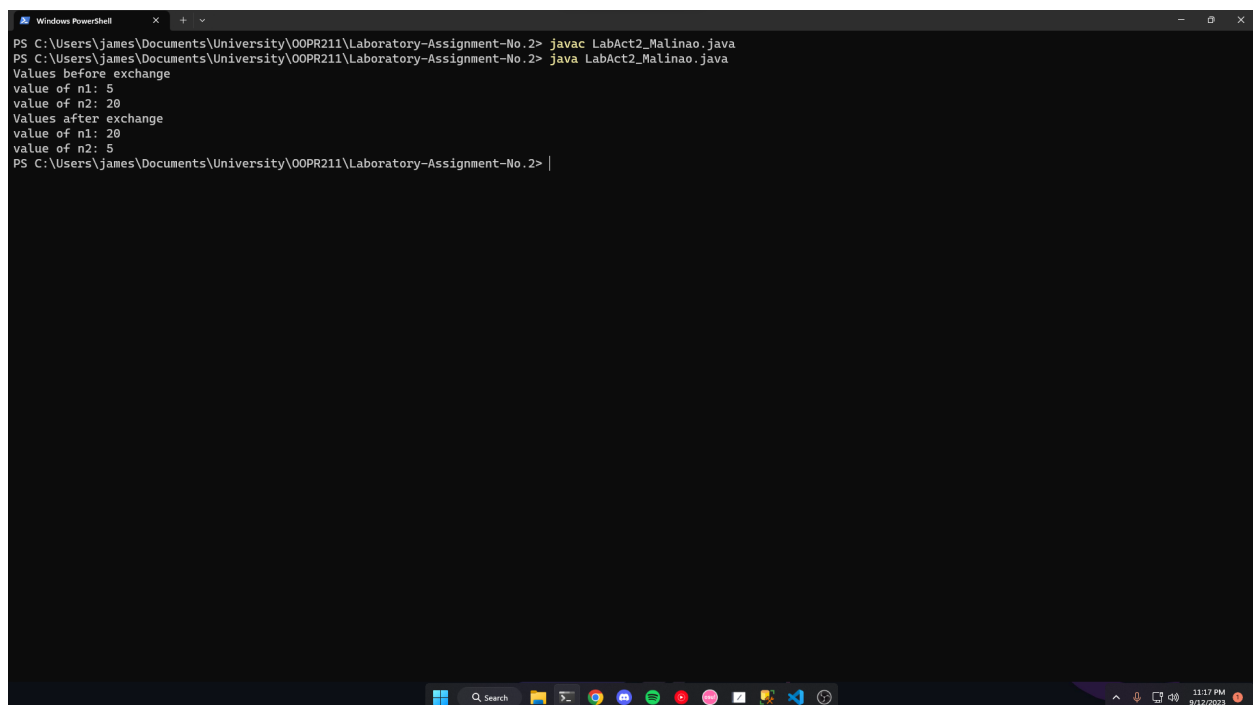
The screenshot shows the Visual Studio Code editor with a Java file named `LabAct2_Malinao.java`. The code implements a swap function for two integers, `n1` and `n2`. The `main` method prints the values before and after the swap. The integrated terminal at the bottom shows the command `javac LabAct2_Malinao.java` and `java LabAct2_Malinao` being executed, followed by the program's output.

```
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         swap(n1, n2);
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, n2);
16        n1=n2;
17        n2=swap(n1, n2);
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 }
```

Terminal Output:

```
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
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 where the Java program is compiled and executed. The output is identical to the one shown in the VS Code screenshot.

```
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
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>
```