

## Experiment No. 1 (b)

### Aim

Java program to Swap 2 Numbers without using Third Variable.

### Source code

```
package java_file;

import java.util.Scanner;

public class _1b_Swap {

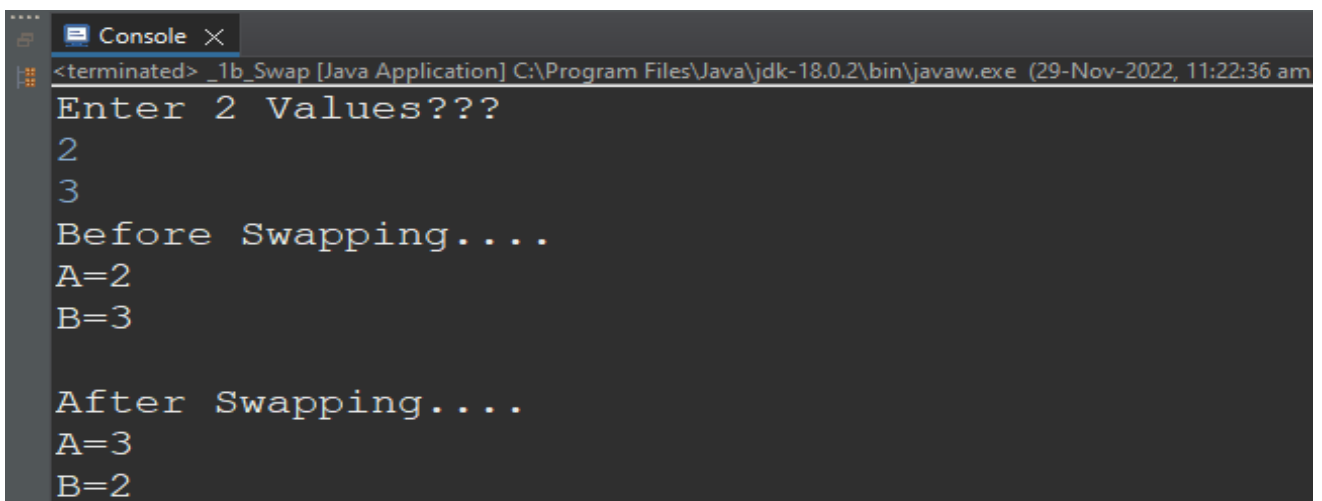
    public static void main(String[] args) {

        Scanner input=new Scanner(System.in);

        System.out.println("Enter 2 Values???");
        int a=input.nextInt();
        int b=input.nextInt();
        System.out.print("Before Swapping....\n"+"A="+a+"\nB="+b);
        a=a+b;
        b=a-b;
        a=a-b;
        System.out.print("\n\nAfter Swapping....\n"+"A="+a+"\nB="+b);
    }

}
```

### Output

A screenshot of a Java console window titled "Console". The window shows the execution of the program. The first line is the prompt "Enter 2 Values???", followed by the user input "2" and "3". The next line is "Before Swapping....", followed by "A=2" and "B=3". The final line is "After Swapping....", followed by "A=3" and "B=2". The console window also shows the command prompt path "C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe" and the date and time "29-Nov-2022, 11:22:36 am".

```
<terminated> _1b_Swap [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (29-Nov-2022, 11:22:36 am)
Enter 2 Values???
2
3
Before Swapping....
A=2
B=3

After Swapping....
A=3
B=2
```