## **BCSE-506L (Performance Analysis of Programming Languages Lab)**

### **EXPERIMENT NO. 2**

AIM: Get two numbers as input from the user through console and swap the values of two numbers without using a temporary variable and display the same.

#### **ALGORITHM:**

```
SWAP (A, B)
STEP 1: Take the inputs A and B from the command line arguments. STEP 2: A=A+B
STEP 3: B=A-B
STEP 4: A=A-B
STEP 5: Apply process to A.
STEP 6: Apply process to B.
STEP 7: Exit
```

#### CODE:

```
import java.util.Scanner;
public class swapingWithoutTemp {
  public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
    int a ,b;
    System.out.println("Enter two numbers:");
    a = sc.nextInt();
    b = sc.nextInt();
    a = a+b;
    b = a-b;
    a = a-b;
    System.out.println("After swapping:"+ a + " " + b);
}
```

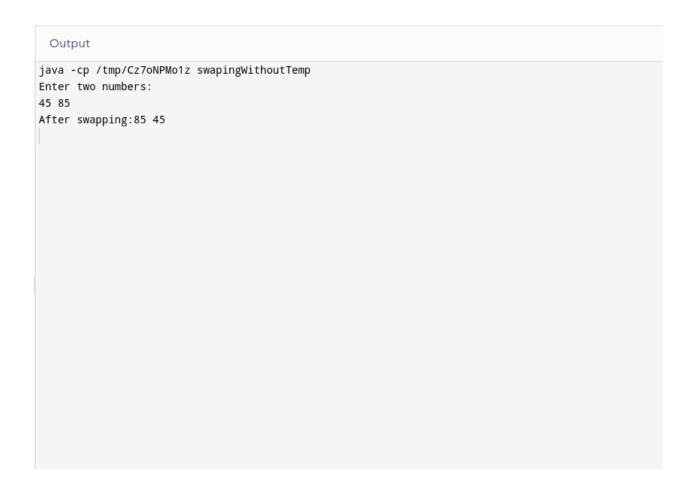
**Input: 24 16** 

# **Output:**

```
Output

java -cp /tmp/Cz7oNPMo1z swapingWithoutTemp
Enter two numbers:16 24
After swapping:24 16
```

Input: 85 45



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**BTech 3CSE-B3**