Two numbers are entered by user. Write a program to swap the content of two variable.

1. Using Three variables in the program.

2. Using two variables in the program.

There are two Java programs that swap the contents of two variables. One uses three variables, and the other uses just two variables.

1. Swapping Using Three Variables

```java
public class SwapThreeVariables {
    public static void main(String[] args) {
        // Assuming the user inputs these values
        int a = 5; // First number
        int b = 10; // Second number

        // Display original values
        System.out.println("Before swapping:");
        System.out.println("a = " + a);
        System.out.println("b = " + b);

        // Using a third variable to swap
        int temp;
        temp = a; // Store value of a in temp
        a = b;   // Assign value of b to a
```

```java
        b = temp; // Assign value of temp (original a) to b

        // Display swapped values
        System.out.println("After swapping:");
        System.out.println("a = " + a);
        System.out.println("b = " + b);
    }
}
```
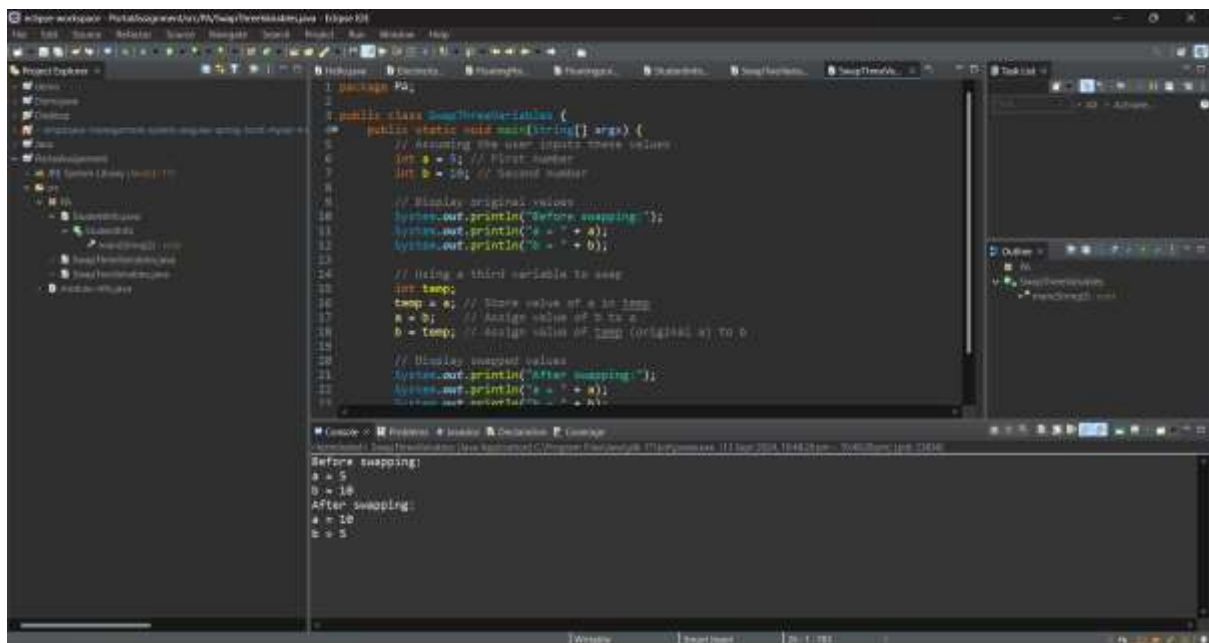

2. Swapping Using Two Variables

```java
public class SwapTwoVariables {
    public static void main(String[] args) {
        // Assuming the user inputs these values
        int a = 5; // First number
        int b = 10; // Second number
```

```java
        // Display original values
        System.out.println("Before swapping:");
        System.out.println("a = " + a);
        System.out.println("b = " + b);

        // Swapping without using a third variable
        a = a + b; // Sum of a and b
        b = a - b; // Subtract b from the new a to get original a
        a = a - b; // Subtract new b from the new a to get original b

        // Display swapped values
        System.out.println("After swapping:");
        System.out.println("a = " + a);
        System.out.println("b = " + b);
    }
}
```