

4. Write a program to interchange the value of two numbers without using the third variable.

```
import java.util.*;

public class swap {
    Run | Debug
    public static void main(String[] args) {
        int a , b ;
        Scanner s = new Scanner(System.in);

        System.out.println(x:"Enter the input: ");
        a = s.nextInt();
        b = s.nextInt();

        // logic
        a = a + b;
        b = a - b;
        a = a - b;

        // output
        System.out.println(x:"after swapping the values");
        System.out.println(a);
        System.out.println(b);
    }
}
```

Output:

```
Enter the input:
4
6
after swapping the values
6
4
```

