

16! Swap the Values:

Definition:

This Program demonstrates a function to Swap the Values of two variables in Java. The main function initializes two integers and prints their values before and after attempting to Swap them using a separate function. However, the Swapping function will not affect the original variables because Java passes arguments by value, meaning changes to the arguments within the function do not affect the original values.

Algorithm:-

1. Start.
2. Initialize two integers, a and b with values 10 and 20 respectively.

3. Print the values of a and b before Swapping.
4. Call the Swap function, passing a and b as arguments.
5. Print the Values of a and b after Swap.
6. Define the Swap function.

Input : two integers a and b.

Create : a temporary variable temp and assign the value of a to it.

Assign the value of b to a.

Assign the value temp to b.

7. End.