**Practical No: 4**

**Aim:** Write /execute simple ‘Python’ program: Exchange the Values of Two Numbers without Using a Temporary Variable

**Course Outcome:** Write and execute simple ‘python’ programs

**Theory:**

**Python Program to Exchange the Values of Two Numbers Without Using a Temporary Variable**

1. Take the values of both the elements from the user.
2. Store the values in separate variables.
3. Add both the variables and store it in the first variable.
4. Subtract the second variable from the first and store it in the second variable.

**Requirements: Computer, Python 3.3.34, Vs Code.**

**Flowchart:**

**Program:**

# Aim: Write a python program to exchange value of two numbers without using tempeory variable

var1=int(input("Enter value of first variable: "))

var2=int(input("Enter value of second variable: "))

var1= var1+var2

var2 = var1-var2

var1= var1-var2

print("a is:",var1," b is:",var2)

**Output/Result:**

Enter value of first variable: 2

Enter value of second variable: 4

a is: 4 b is: 2

**Conclusion: hence, we have swapped two numbers without using temporary variable.**