

Ex.No: 2a	EXCHANGE THE VALUES OF TWO VARIABLES (without using temp variable)
Date :	

AIM:

To write a python program to exchange the values of two variables without using temp variable.

ALGORITHM:

1. Start the program.
2. Enter the value of first and second variable.
3. Calculate the values of a and b using the formula
 $a=a+b$
 $b=a-b$
 $a=a-b$
4. Then the values of a and b are get exchanged.
5. Stop the program.

Program:

```
a=int(input("Enter value of first variable: "))  
b=int(input("Enter value of second variable: "))  
a=a+b  
b=a-b  
a=a-b  
print("a is:",a," b is:",b)
```

OUTPUT:

Enter value of first variable: 2

Enter value of second variable: 4

a is: 4 b is: 2

RESULT:

Thus the program to exchange the values of two variables without using temp variable is executed.