

Problem Statement:

Python program to exchange the values of two numbers without using a temporary variable

```
a=int(input("Enter a:"))  
  
b=int(input("Enter b:"))  
  
print("before swapping a:",a,"b:",b)  
  
a=a+b  
  
b=a-b  
  
a=a-b  
  
print("after swapping a:",a,"b:",b)
```

Output:

```
Enter a:5  
Enter b:8  
before swapping a: 5 b: 8  
after swapping a: 8 b: 5
```