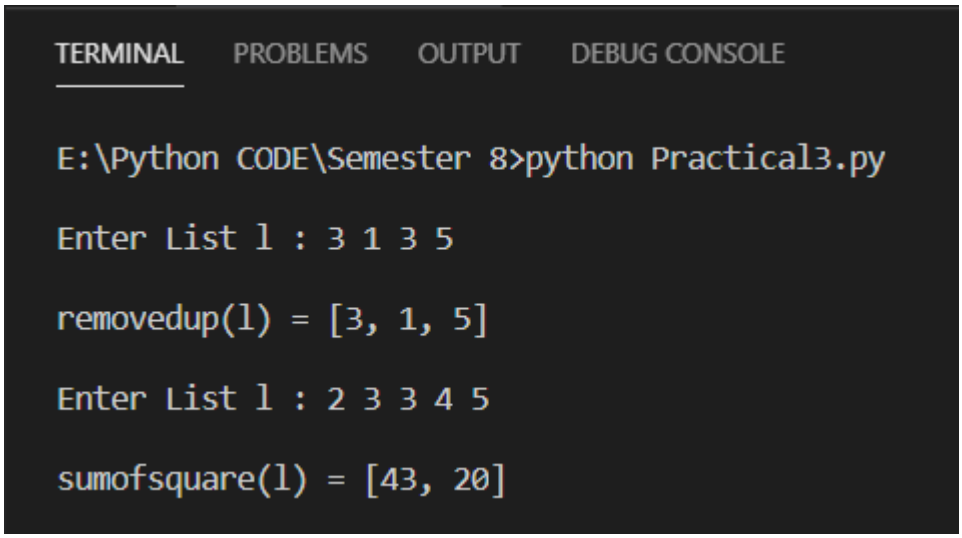
Practical 3:

1. **Define a Python function removedup(l) that takes a nonempty list of integers l and removes all duplicates in l, keeping only the first occurrence of each number.**
   For instance => removedup([3,1,3,5]) = [3, 1, 5]
2. **Write a Python function sumofsquare(l) that takes a nonempty list of integers and returns a list [odd, even], where odd is the sum of squares all the odd numbers in l and even is the sum of squares of all the even numbers in l.**

Code:

```
def removedup(l1):
    l2=[]
    for i in l1:
        if i not in l2:
            l2.append(i)

    return l2

l1 = list(map(int,input("\nEnter List l : ").split()))
l2 = removedup(l1)
print(f"\nremovedup(l) = {l2}")

def sumofsquare(l1):
    l2=[0,0]
    for i in l1:
        if i%2 == 0:
            l2[1] += i*i
        else:
            l2[0] += i*i

    return l2

l1 = list(map(int,input("\nEnter List l : ").split()))
l2 = sumofsquare(l1)
print(f"\nsumofsquare(l) = {l2}")
```

Output:



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