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Practical-5

Aim: Write a program using list.

     a) Write a Python program to get the smallest number from a list.

     b) Write a Python program remove duplicated elements from list

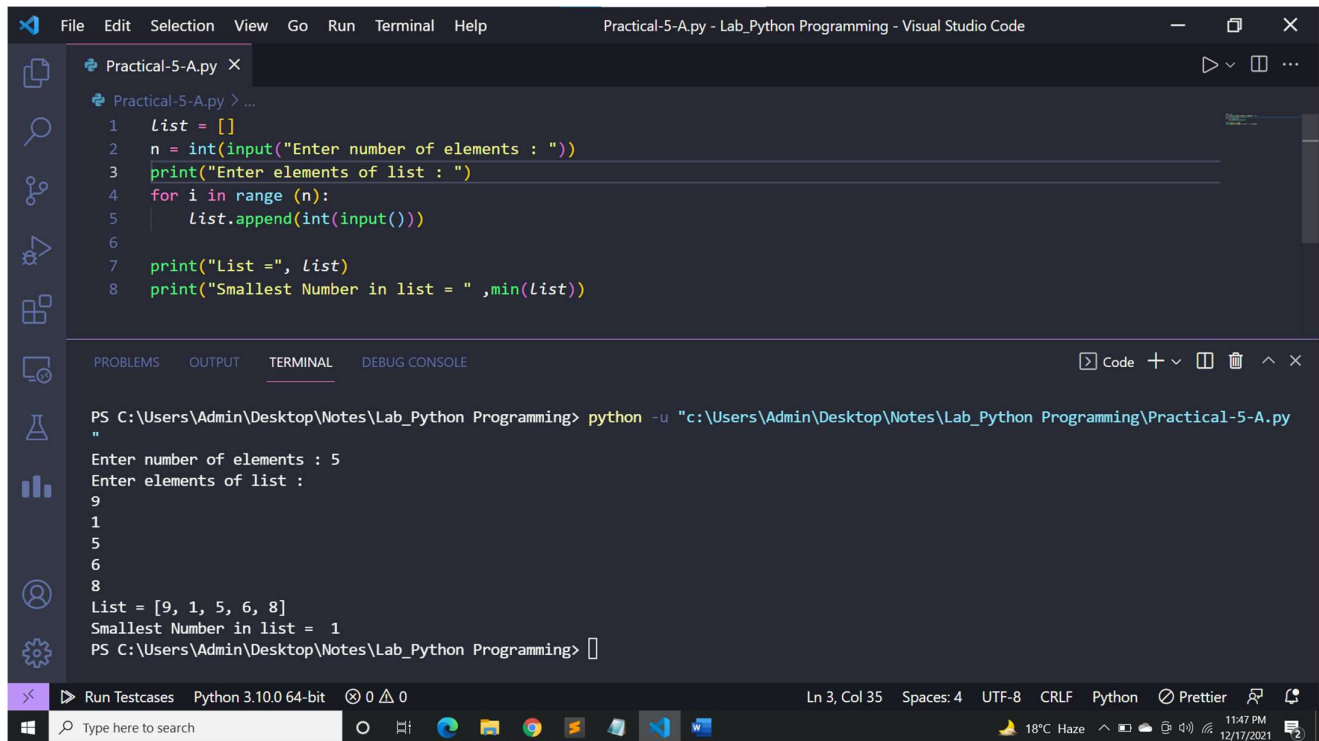**a) Write a Python program to get the smallest number from a list.**

- Program:

```python
list = []
n = int(input("Enter number of elements : "))
print("Enter elements of list : ")
for i in range (n):
    list.append(int(input()))

print("List =", list)
print("Smallest Number in list = " ,min(list))
```

- Output:

```
Enter number of elements : 5
Enter elements of list :
9
1
5
6
8
List = [9, 1, 5, 6, 8]
Smallest Number in list =  1
```

- Screenshot:

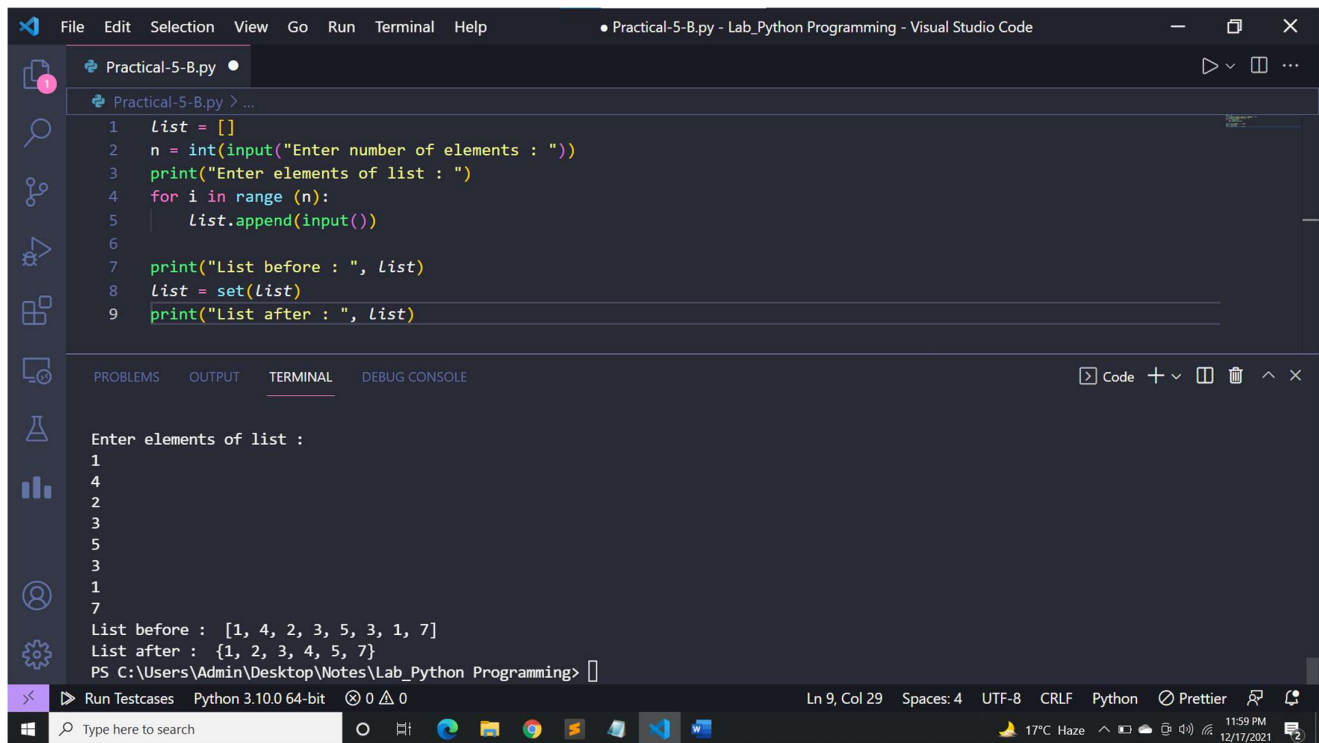## b) Write a Python program remove duplicated elements from list

- Program:

```python
list = []
n = int(input("Enter number of elements : "))
print("Enter elements of list : ")
for i in range (n):
    list.append(input())

print("List before : ", list)
list = set(list)
print("List after : ", list)
```

- Output:

```
Enter elements of list :
1
4
2
3
5
3
1
7
List before :  [1, 4, 2, 3, 5, 3, 1, 7]
List after :  {1, 2, 3, 4, 5, 7}
```

- Screenshot:

Result: I have studied Lists and sets in Python and successfully performed practical-5.