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## Practical-6

Aim: Write a program using string 6a. Write a Python program to count the number of strings where the string length is 2 or more and the first and last character are same from a given list of strings.

Sample List : ['abc', 'xyz', 'aba', '1221'] Expected Result : 2

- Program:

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

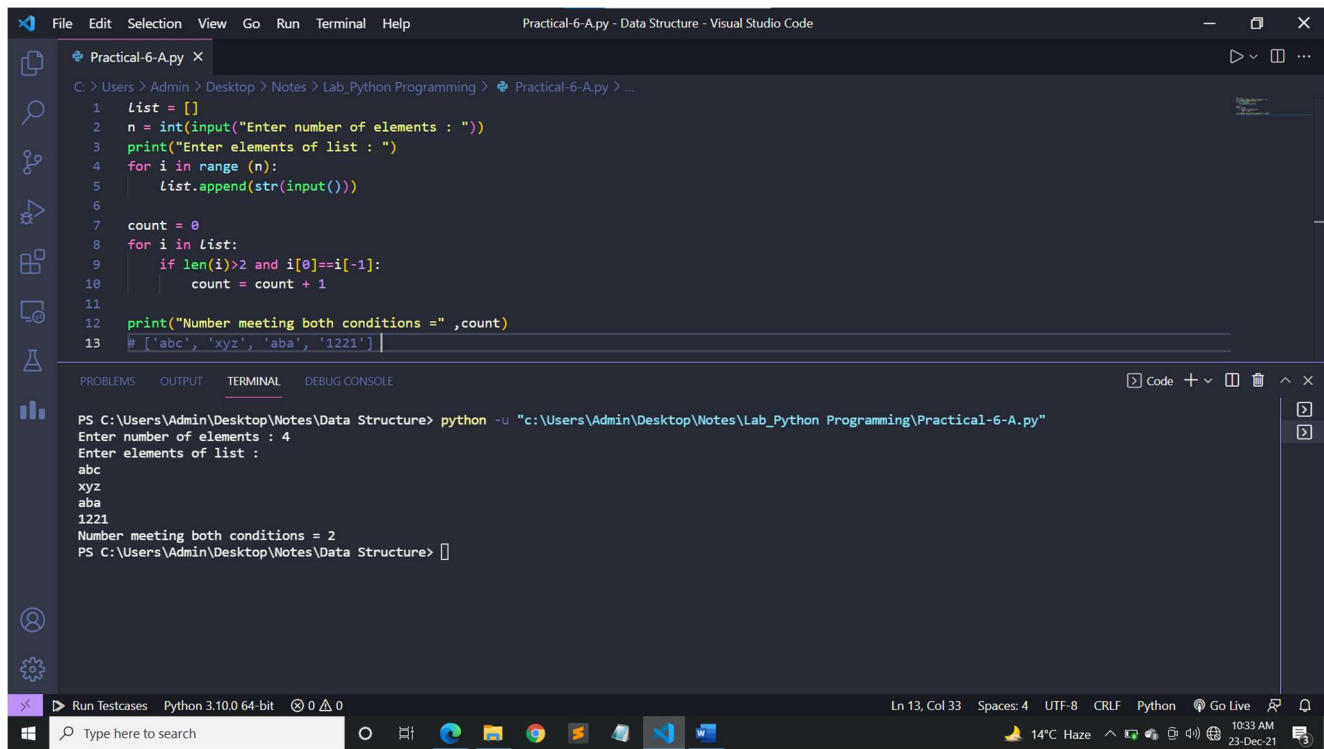
count = 0
for i in list:
    if len(i)>2 and i[0]==i[-1]:
        count = count + 1

print("Number meeting both conditions =" ,count)
# ['abc', 'xyz', 'aba', '1221']
```

- Output:

```
Enter number of elements : 4
Enter elements of list :
abc
xyz
aba
1221
Number meeting both conditions = 2
```

- Screenshot:



The screenshot displays the Visual Studio Code interface with a Python file named 'Practical-6-A.py' open. The code defines a list, takes user input for the number of elements, appends those elements, and then counts how many of them have a length greater than 2 and end with a space. The terminal shows the execution of the script, where the user entered 4 elements: 'abc', 'xyz', 'aba', and '1221'. The output indicates that 2 elements ('xyz' and '1221') meet the specified conditions.

```
Practical-6-A.py
1 list = []
2 n = int(input("Enter number of elements : "))
3 print("Enter elements of list : ")
4 for i in range (n):
5     list.append(str(input()))
6
7 count = 0
8 for i in list:
9     if len(i)>2 and i[-1]==' ':
10        count = count + 1
11
12 print("Number meeting both conditions = ",count)
13 # ['abc', 'xyz', 'aba', '1221']
```

```
PS C:\Users\Admin\Desktop\Notes\Data Structure> python -u "c:\Users\Admin\Desktop\Notes\Lab_Python Programming\Practical-6-A.py"
Enter number of elements : 4
Enter elements of list :
abc
xyz
aba
1221
Number meeting both conditions = 2
PS C:\Users\Admin\Desktop\Notes\Data Structure>
```

Result: I have studied Strings in Python and successfully performed practical-6.