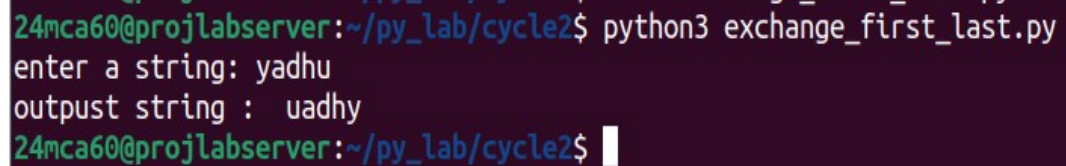


### **Program:**

```
s=list(input("enter a string: "))
s[0],s[-1]=s[-1],s[0]

print("outpust string : ",(''.join(s)))
```

### **Output:**



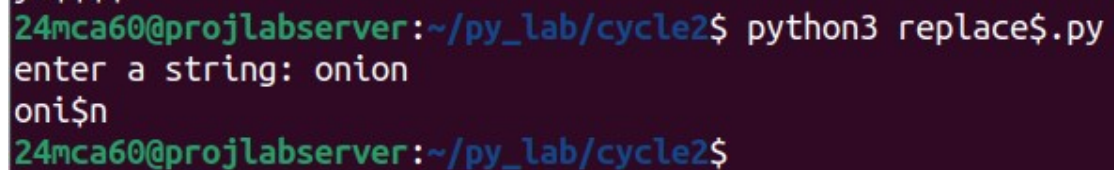
```
24mca60@projlabserver:~/py_lab/cycle2$ python3 exchange_first_last.py
enter a string: yadhu
outpust string : uadhy
24mca60@projlabserver:~/py_lab/cycle2$
```

### **Program:**

```
s=list(input("enter a string: "))
first=s[0]
for i in range(1,len(s)):
    if s[i]==first:
        s[i]="$"

print("".join(s))
```

### **Output:**

A terminal window with a dark purple background. The prompt is '24mca60@projlabserver:~/py\_lab/cycle2\$'. The user enters 'python3 replace\$.py'. The program prompts 'enter a string: onion' and the user enters 'onion'. The program then outputs 'oni\$on' and returns to the prompt.

```
24mca60@projlabserver:~/py_lab/cycle2$ python3 replace$.py
enter a string: onion
oni$on
24mca60@projlabserver:~/py_lab/cycle2$
```

### **Program:**

```
s1=input("enter string1: ")
s2=input("enter string2: ")

s3=s1[:1]+s2[1]+s1[2:]+" "+s2[:1]+s1[1]+s2[2:]
print(s3)
```

### **Output:**

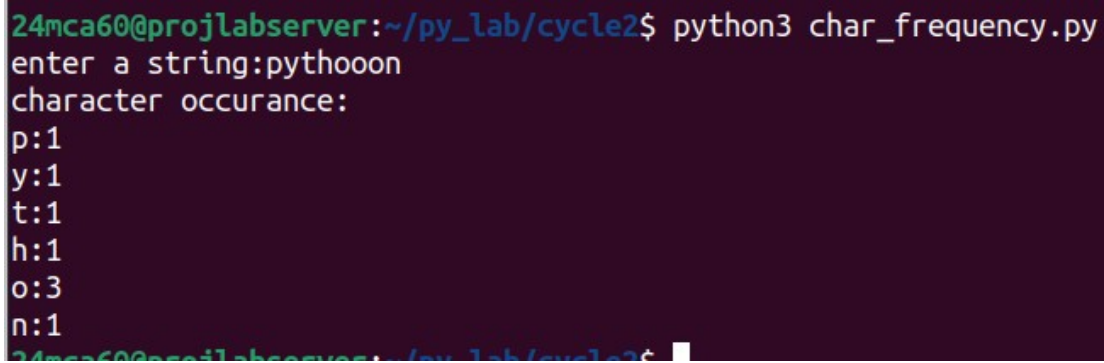
```
24mca60@projlabserver:~/py_lab/cycle2$ python3 string_char_
enter string1: hello
enter string2: world
hollo world
24mca60@projlabserver:~/py_lab/cycle2$
```

## **Program:**

```
s=input("enter a string:")
freq_dict={}
for char in s:
    if char in freq_dict:
        freq_dict[char]+=1
    else:
        freq_dict[char]=1

print("character occurance:")
for key,value in freq_dict.items():
    print(f"{key}:{value}")
```

## **Output:**

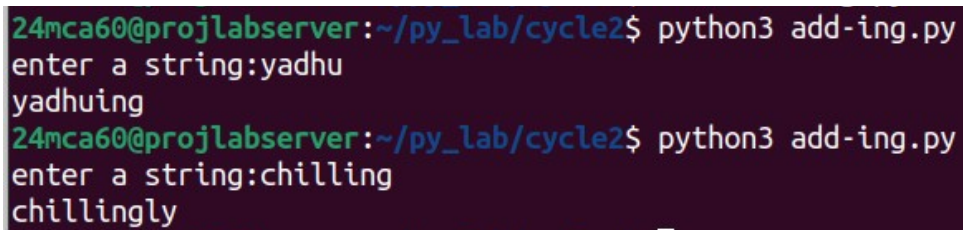
A terminal window with a dark purple background. The prompt is '24mca60@projlabserver:~/py\_lab/cycle2\$'. The user enters 'python3 char\_frequency.py'. The program prompts 'enter a string:' and the user enters 'pythoon'. The program then outputs 'character occurance:' followed by a list of characters and their counts: 'p:1', 'y:1', 't:1', 'h:1', 'o:3', 'n:1'.

```
24mca60@projlabserver:~/py_lab/cycle2$ python3 char_frequency.py
enter a string:pythoon
character occurance:
p:1
y:1
t:1
h:1
o:3
n:1
24mca60@projlabserver:~/py_lab/cycle2$
```

## **Program:**

```
s=input("enter a string:")
if s.endswith('ing'):
    print(s+"ly")
else:
    print(s+"ing")
```

## **Output:**

A terminal window with a dark purple background. The prompt is '24mca60@projlabserver:~/py\_lab/cycle2\$'. The user runs 'python3 add-ing.py'. The program prompts 'enter a string:' and the user enters 'yadhu'. The program outputs 'yadhuing'. The user runs the program again, enters 'chilling', and the program outputs 'chillingly'.

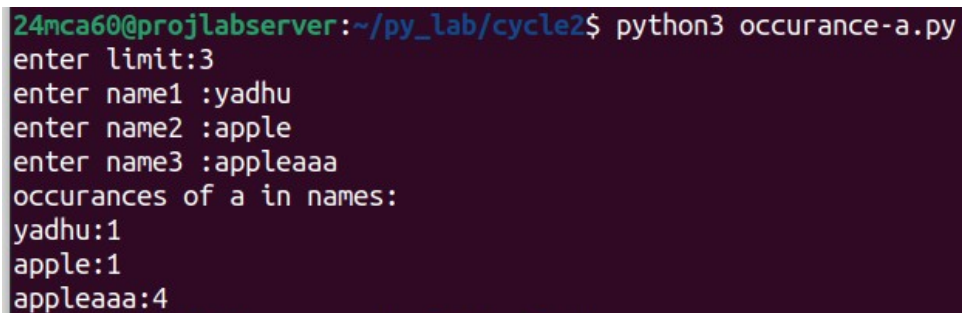
```
24mca60@projlabserver:~/py_lab/cycle2$ python3 add-ing.py
enter a string:yadhu
yadhuing
24mca60@projlabserver:~/py_lab/cycle2$ python3 add-ing.py
enter a string:chilling
chillingly
```

## **Program:**

```
names=[]
n=int(input("enter limit:"))
for i in range(n):
    el=input(f"enter name{i+1} :")
    names.append(el)

print("occurrences of a in names:")
for name in names:
    print(f"{name}:{name.lower().count('a')}")
```

## **Output:**

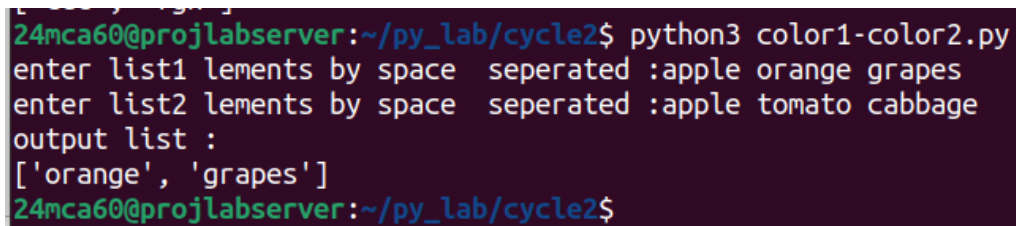
A terminal window with a dark purple background. The prompt is '24mca60@projlabserver:~/py\_lab/cycle2\$'. The user runs 'python3 occurance-a.py'. The program prompts for a limit (3), then three names ('yadhu', 'apple', 'appleaaa'). It then prints the count of 'a' for each name: 'yadhu:1', 'apple:1', and 'appleaaa:4'.

```
24mca60@projlabserver:~/py_lab/cycle2$ python3 occurance-a.py
enter limit:3
enter name1 :yadhu
enter name2 :apple
enter name3 :appleaaa
occurrences of a in names:
yadhu:1
apple:1
appleaaa:4
```

## Program:

```
lst1=input("enter list1 lements by space seperated :").split()
lst2=input("enter list2 lements by space seperated :").split()
print("output list :")
print(list(set(lst1)-set(lst2)))
```

## Output:



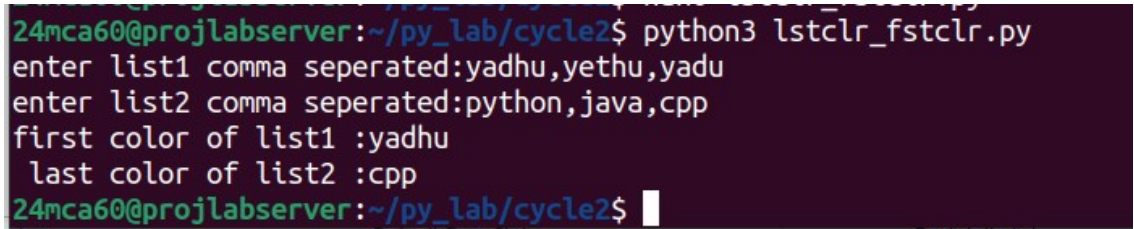
```
24mca60@projlabserver:~/py_lab/cycle2$ python3 color1-color2.py
enter list1 lements by space seperated :apple orange grapes
enter list2 lements by space seperated :apple tomato cabbage
output list :
['orange', 'grapes']
24mca60@projlabserver:~/py_lab/cycle2$
```

### **Program:**

```
lst1=input("enter list1 comma seperated:").split(",")
lst2=input("enter list2 comma seperated:").split(",")

print(f"first color of list1 :{lst1[0]}\n last color of list2 :{lst2[-1]}")
```

### **Output:**

A terminal window with a dark background and light-colored text. The prompt is '24mca60@projlabserver:~/py\_lab/cycle2\$'. The command 'python3 lstclrfstclr.py' has been executed. The program prompts for 'enter list1 comma seperated:' and the user has entered 'yadhu,yethu,yadu'. It then prompts for 'enter list2 comma seperated:' and the user has entered 'python,java,cpp'. The program outputs 'first color of list1 :yadhu' and 'last color of list2 :cpp'. The prompt '24mca60@projlabserver:~/py\_lab/cycle2\$' is visible again at the bottom.

```
24mca60@projlabserver:~/py_lab/cycle2$ python3 lstclrfstclr.py
enter list1 comma seperated:yadhu,yethu,yadu
enter list2 comma seperated:python,java,cpp
first color of list1 :yadhu
last color of list2 :cpp
24mca60@projlabserver:~/py_lab/cycle2$
```