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Subject:Python Programming

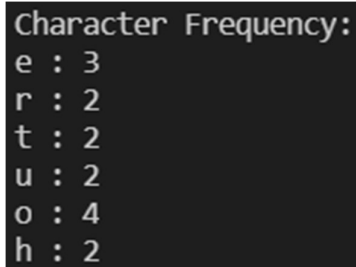# Roll no. :190529014

Course: BCA Vth Sem

Ans 1.

s="thequickbrownfoxjumpsoverthelazydog"

allchars=set(s)

print("Character Frequency:")

for char in allchars:

   if (s.count(char)>1):

     print(char,":",s.count(char))

Output:

```
Character Frequency:
e : 3
r : 2
t : 2
u : 2
o : 4
h : 2
```

Ans 2.

l1=[[1,2,3],[4,5,6],[10,11,12],[7,8,9]]

max=0

for item in l1:

   if sum(item)>max:

     max=sum(item)

     max_list=item

```
print("List:",l1)

print("Output:",max_list)
```

Output:

```
List: [[1, 2, 3], [4, 5, 6], [10, 11, 12], [7, 8, 9]]
Output: [10, 11, 12]
```

Ans 3.

```
s1={2,5,3,4,5,17,3}

s2={1,6,7,8,9}

#s2={1,3,5,2,6}


print('s1:',s1)

print('s2:',s2)


if len(s1.intersection(s2))==0:

    print("no common elements found")

else:

    print("common elements found")
```

Output:

```
s1: {17, 2, 3, 4, 5}
s2: {1, 6, 7, 8, 9}
no common elements found
```

Ans 4.

```
d1={'item1': 45.50, 'item2':35, 'item3': 41.30, 'item4':55,'item5': 24}

sorted_dict=sorted(list(d1.items()),key=lambda x:x[1],reverse=True)

print("Top 3 items:")
```

```
for item in sorted_dict[:3]:

    print(item[0],item[1])
```

Output:

```
Top 3 items:
item4 55
item1 45.5
item3 41.3
```