Expt. No. 1 Page No. 2

Expt. Name. Finding the Second highest value from the list Date :

Aim:-

To write a Python Program to find the Second highest value from the list.

Algorithm:-

1. Start the Program.
2. Store the values in the list.
3. Sort the list ~~from~~ in ascending order using Sort() method.
4. Print the 2nd value from the last using list Slicing Concept.
5. End the Program.

Program:-

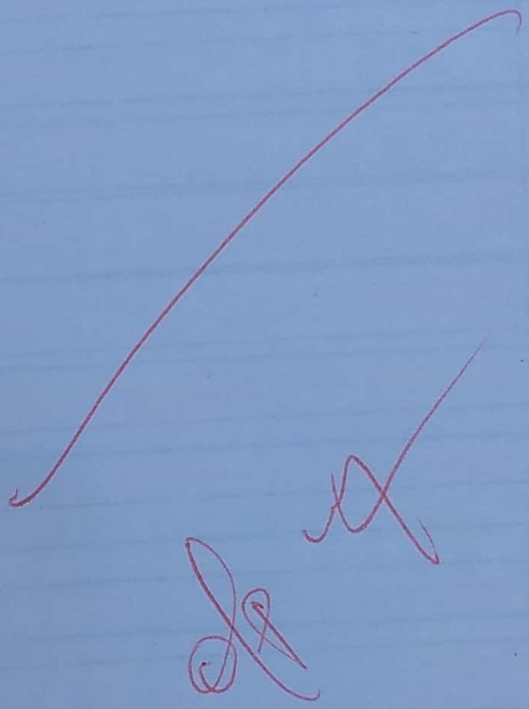
```
l=[3,5,8,1,9,3]
l.sort()
Print(l[-2])
```

Result:-

Thus the Program has been Successfully executed.

Output:-

8



Expt. No. 2 Page No. 3

Expt. Name: Counting the no. of special characters, alphabets, digits, lowercase, uppercase characters. Date :

Aim:-

To write a Program to Count the no. of special characters, alphabets digits, lowercase and uppercase characters from the given String.

Algorithm:-

1. Start the Program.
2. Store the String in a Variable.
3. ~~Count~~ Initialize the Count values as 0.
4. Use isdigit(), isupper(), islower(), isalpha() methods to check the character as a digit / uppercase / lowercase / alphabets / special characters and increment the respective Count values
5. Print the Count values.
6. End the Program.

Program:-

```
S='Sathyabama2019@'
d=0
a=0
SP=0
l=0
u=0
for i in S:
    if (i.isdigit()) == True:
        d+=1
    elif (i.isupper()) == True:
        u+=1
```

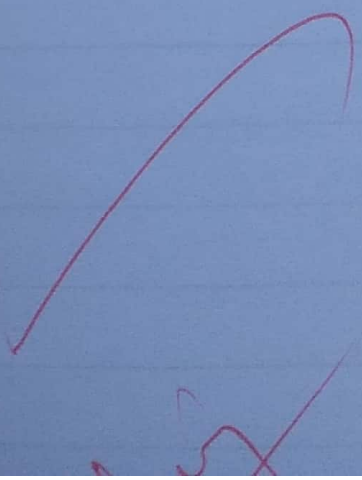
```
elif (i.islower()) == True:
    l+=1
else:
    sp+=1
if (i.isalpha()) == True:
    a+=1

Print(d)
Print(a)
Print(sp)
Print(l)
Print(u)
```

Result:-

Thus the Pleglam has been Successfully executed and Verified

Output:-

4
10
1
9
1



Expt. No. 3 Page No. 5

Expt. Name. Wrapping the String into a Paragraph of width w Date :

Aim:-

To write a Program to wrap the String into a Paragraph of width w.

Algorithm:-

1. Start the Program.
2. Get the string and width as an input.
3. Slice and wrap the string into a Paragraph of width w using the list slicing Concept.
4. Print the output.
5. End the Program.

Program:-

```
S=input("Enter the String:")
w=int(input("Enter the width:"))
i=0
while(i<len(s)):
    Print(s[i:i+n])
    i+=n
```

Result:-

Thus the Program has been successfully executed and verified.

Output:

```
Enter the String: Sathyabama
Enter the width: 3
Sat
hya
bam
a
```