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 / [Count the special characters, alphabets, digits, lowercase and uppercase characters.](#)

Question 1

Correct

Marked out of 1.00

From the given string input, count the special characters, alphabets, digits, lowercase and uppercase characters.

Input: Sathyabama 2019 @

Output: Digits: 4 Alphabets: 10 Special Characters: 1 Lowercase: 9 Uppercase: 1

Answer: (penalty regime: 0 %)

```

2 Case1=0 #import sys in line 1
3 Case2=0
4 Case3=0
5 def Count(str):
6     upper, lower, number, special = 0, 0, 0, 0
7     for i in range(len(str)):
8         if str[i].isupper():
9             upper += 1
10        elif str[i].islower():
11            lower += 1
12        elif str[i].isdigit():
13            number += 1
14        elif str[i]!=" ":
15            special +=1
16        if((upper+lower)!=0):
17            print('Digits:', number)
18            print('Alphabets:', upper+lower)
19            print('Special Characters:', special-1)
20            print('Lowercase:', lower)
21            print('Uppercase:', upper)
22 str=sys.stdin.readline()
23 Count(str)

```

CHECK

	Test	Input	Expected	Got	
✓	Case1	Sathyabama 2019 @	Digits: 4 Alphabets: 10 Special Characters: 1 Lowercase: 9 Uppercase: 1	Digits: 4 Alphabets: 10 Special Characters: 1 Lowercase: 9 Uppercase: 1	✓
✓	Case2	Python Version 3	Digits: 1 Alphabets: 13 Special Characters: 0 Lowercase: 11 Uppercase: 2	Digits: 1 Alphabets: 13 Special Characters: 0 Lowercase: 11 Uppercase: 2	✓
✓	Case3				✓

Passed all tests! ✓

Question 2

Correct

Marked out of 1.00

Write python code to find largest among three numbers using if, else and elif statements.

Answer: (penalty regime: 0 %)

```

1 num1 = int(input(""))
2 num2 = int(input(""))
3 num3 = int(input(""))
4
5 if (num1 > num2) and (num1 > num3):
6     largest = num1
7 elif (num2 > num1) and (num2 > num3):
8     largest = num2
9 else:
10    largest = num3
11
12 print("The largest number is",largest)

```

CHECK

	Input	Expected	Got	
✓	5 9 2 The largest number is 9	5 9 2 The largest number is 9	5 9 2 The largest number is 9	✓
✓	89 455 98 The largest number is 455	89 455 98 The largest number is 455	89 455 98 The largest number is 455	✓

Passed all tests! ✓

Question 3

Correct

Marked out of 1.00

Write python code to, find the second highest value from the given input list.**Input: [6, 5, 2, 1, 6, 4]****Output: 5****Answer:** (penalty regime: 0 %)

```

1 Case1, Case2, Case3 = 0, 0, 0
2
3 import sys
4
5 a = sys.stdin.readline()
6 n = int(a)
7 arr = []
8
9 for i in range(n):
10     b = sys.stdin.readline()
11     c = int(b)
12     arr.append(c)
13
14 arr.sort()
15
16 print("Second highest element in list is :",arr[-2])

```

CHECK

	Test	Input	Expected	Got	
✓	Case1	7 12 45 58 98 100 45 10	Second highest element in list is : 98	Second highest element in list is : 98	✓
✓	Case2	7 10 15 20 25 10 15 30	Second highest element in list is : 25	Second highest element in list is : 25	✓
✓	Case3	7 12 18 5 68 45 12 45	Second highest element in list is : 45	Second highest element in list is : 45	✓

Passed all tests! ✓

◀ Write a Python Program to display Armstrong Series

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Largest of three numbers using if and else ▶



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