Q1) Code:

def Count(str):

upper, lower, number,space,newline = 0, 0, 0, 0, 0

for i in range(len(str)):

if str[i].isupper():

upper += 1

elif str[i].islower():

lower += 1

elif str[i].isdigit():

number += 1

elif str[i]==' ':

space += 1

elif str[i]=='\n':

newline+=1

else:

pass

print('Upper case letters are:', upper)

print('Lower case letters are:', lower)

print('Numbers:', number)

print('Space characters are:', space)

print('new lines are:', newline)

str = ''' This is MITAOE

It is located in PUNE

And PINCOE is 412105'''

Count(str)

**Output:**

Upper case letters are: 19

Lower case letters are: 21

Numbers: 6

Space characters are: 12

new lines are: 4