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**PYTHON PROGRAMMING**

**DATE OF PERFORMANCE : 16/10/24**

PRACTICAL 9

**1.] Using regular expression write the Python code to accept a string from user and display number of times ‘a’ is present in the string.**

**Input:** import re s=input("enter string") y=re.findall("a",s) print("no. of a is",len(y))

**Output:**



**2.] Given a string “abbreviation” Using regular expression write the Python code to accept alphabets from user and find whether the alphabets are part of the string.**

**Input:** import re a="abbreviation" s=input("enter character") y=re.findall(s,a) print(s,"is present in",a)

**Output:**



**3.] Write the code to accept a string from the user and display the number of words in it along with the length of each word. For example str=”Everyone wants peace and prosperity”, then o/p would be :**

**No. of words = 5 Everyone-8 wants-5…….**

**Input:**

a=input("enter the sentence:") d=a.split( ) s=a.isdigit( )

c=0 print('number of words are:',len(d)) for i in d:

print(i,":",len(i)) c=c+len(i) print("total number of characters are:",(c)) **Output:**



**4.] Using regular expression write the Python code to accept a string from user and find whether it starts with ‘ma’ and ends with ‘er’ and has 6 characters in between.**

**Input:** **import re y=input("enter string:") w=re.findall("^ma......er$",y) print(w) Output:**



**5.] Using regular expression write the Python code to accept a string from user and check whether it has any vowels or number 6,7,8,9.**

**Input:** import re y=input("enter string:") w=re.findall("[aeiou,[6-9]",y) print(w)

**Output:**



**6. ]Using regular expression write the Python code to accept a**

**string from user and check whether it ends with a number.**

**Input:**

import re y=input("enter string") w=re.findall("\d\d$",y) print(w)

**Output:**



**7.] Accept the string from the user and split it wherever it encounters a alphabet ‘e’.**

**Input:** import re s="you need help" q=re.split("e",s) print(q)

**Output:**



* **]Accept a sentence from user and make a new string such that all ‘a’ and ‘e’ alphabets are replaced by ‘o’.**

**Input:** import re s =input("enter string:") q = re.sub("[ae]", "o", s) print(q)

**Output:**



* **]Open the month.txt file and search for ‘Apr’ in it. If available display proper messages.**

**Input:**

**Output:**