import re

#------------------------------------------------------

'''

#1.Write a Python program to check that a string contains only a certain set of characters (in this case a-z, A-Z and 0-9)

if re.match(r'\w+',input("enter string :")):

print("string contains[A-Za-z0-9]")

else:

print("string is not valid")

'''

#----------------------------------------------------

#2. Write a Python program that matches a string that has an a followed by three 'l'.

'''

str='vishwa aass'

x = re.findall("aass", str)

print("string : ",x)

'''

#------------------------------------------------------

'''

#3. Write a Python program that matches a word at the beginning of a string

txt = "vishwa chaturvedi"

#Check if the string starts with 'hello':

x = re.findall("^vishwa", txt)

if x:

print("Yes, the string starts with 'vishwa'")

else:

print("No match")

'''

#--------------------------------------------------------

'''

#4. Write a Python program that return only the first word of a given string.

result=re.findall(r'^\w+','Python is a programmimg language')

print("first word :",result)

'''

#-------------------------------------------------------

'''

#5. Write a Python program that extract each word (using “\*” or “+“) of a given string.

result=re.findall(r'\w+','91AV is largest Analytics community of India')

result1=re.findall(r'\w\*','91AV is largest Analytics community of India')

print("using + :",result)

print("using \* :",result1)

'''

#----------------------------------------------------

'''

#6. Write a Python program that extract each word (using “$”) of a given string.

input: 'Python is a high-level programming language'

output : ['language']

result=re.findall(r'\w+$','Python is a programmimg language')

print("last word :",result)

'''

#---------------------------------------------------

'''

#7. Write a Python program that return the first two character of each word.

result=re.findall(r'\w\w','vishwa chaturvedi')

print("consecutive character :",result)

'''

#-------------------------------------------------------

#8. Write a Python program that extract consecutive two characters those available at start of word boundary.

result=re.findall(r'\b\w\w','vishwa chaturvedi')

print("consecutive character :",result)

#-------------------------------------------------

'''

#9. Write a Python program that return the domain type of given email-ids.

email=input("enter the emial address :")

result=re.findall(r'\S\w+@\S\w+.\S\w+',email)

print("E-mail :",result)

'''

#--------------------------------------------------

'''

#10. Write a Python program that return date from given string.

result=re.findall(r'\d{2}-\d{2}-\d{4}','vishwa chaturvedi , 13-02-2000')

print("date :",result)

'''

#-----------------------------------------------

'''

#11. Write a Python program that return all words of a string those starts with vowel

result=re.findall(r'\b[AEIOUaeiou]\w+','1vishwa chaturvedimihika')

print("vovels :",result)

'''

#----------------------------------------------

'''

#12. Write a Python program that validate a phone number (phone number must be of 10 digits).

if re.match(r'\d{10}$',input("enter mobile number :")):

print("number is valid")

else:

print("number is not valid")

'''

#---------------------------------------------

'''

#13.Write a Python program that split a string with multiple delimiters

str='vishwa ; chatuevedi,mehulchaturvedi'

result=re.split(r'[;,\s]',str) #;

print("split :",result)

'''