Q1. Write a Program to print new list which contains all the first Characters of strings present in a

list.....

LIST\_STATES = ["GOA","RAJASTHAN","KARNATAKA","GUJRAT","MANIPUR",

MADHYA PRADESH]

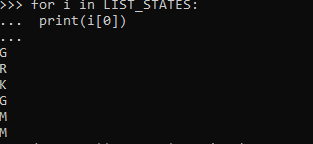
Ans.

LIST\_STATES = ["GOA","RAJASTHAN","KARNATAKA","GUJRAT","MANIPUR",”MADHYA PRADESH”]

for i in LIST\_STATES:

print(i[0])

the output should be:

G

R

K

G

M

M

Q2. 2. Write a program to replace each string with an integer value in a given list of strings.

The replacement integer value should be a sum of AScci values of each character of type

corresponding string........

LIST: ['GAnga', 'Tapti', 'Kaveri', 'Yamuna', 'Narmada' ]

Ans.

names = ['GAnga', 'Tapti', 'Kaveri', 'Yamuna', 'Narmada' ]

s = 0

sum = 0

for i in name:

for x in i:

sum += ord(x)

name[s] = str(sum)

s+=1

print(name)

the output should be:

['1784', '2298', '2908', '3527', '4219']

Q3. You have to run your Program at 9:00am. Date: 14th April 2020.

* HINT:
* You have to use datetime Module or time module.
* You have to convert your output in #LIST\_FORMAT
* [ '2020-04-13' , '17:11:01.952975' ]
* you can use this with the help of IF/Else statement

Ans.

from datetime import datetime

from threading import Timer

x = datetime.today()

date = datetime.strptime('2020-04-14',"%Y-%m-%d")

y = date.replace(hour=9, minute=0, second=0, microsecond=0)

delta\_t = y - x

secs = delta\_t.seconds + 1

def hello\_world():

print("hello world")

t = Timer(secs, hello\_world)

t.start()

Q 4. GIve a tuple:

# tuple = ('a','l','g','o','r','i','t','h','m')

# 1. Using the concept of slicing, print the whole tuple

# 2. delete the element at the 3rd Index, print the tuple.

Ans.

given\_tuple = ('a','l','g','o','r','i','t','h','m')

print(given\_tuple[::])

We can't delete the 3rd indexed element from the tuple as TUPLES ARE IMMUTABLE (i.e, we can't change it's contents).

Q 5. Take a list REGex=[1,2,3,4,5,6,7,8,9,0,77,44,15,33,65,89,12]

# - print only those numbers greator then 20

# - then print those numbers those are less then 10 or equal to 10

# - store these above two list in two different list.

Ans.

REGex=[1,2,3,4,5,6,7,8,9,0,77,44,15,33,65,89,12]

list1 = []

list2 = []

# Printing the elements which are greater than 20

print('Elements > 20 :')

for i in REGex:

if(i > 20):

print(i)

list1.append(i) # adding the element > 20 in list1

# Printing the elements <= 10

print('Elements <= 10 :')

for i in REGex:

if(i <= 10):

print(i)

list2.append(i) # adding the elemant <= 10 in list2

print('list of elements > 20 :',list1,'\nlist of elements <= 10 :',list2)

Q 6. Execute standard LINUX Commands using Python Programming.

Ans.

We can execute any LINUX Command using python by using the following -

import os

# os.system('command to execute')

# for example I want to run date command using a python script

os.system(‘date’)