**PYTHON ASSIGNMENT2**

**Q1) Write a Program to print new List which contains all 1st character of strings present in a List**

Program:

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

list\_new=[]

for i in range(0,len(LIST\_STATES)):

list\_new.append(LIST\_STATES[i][0])

print(list\_new)

Output: ['G', 'R', 'K', 'G', 'M', 'M']

**Q2) Write a Program to replace each string with an integer value in a given list of strings**

Program

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

for i in range(0,len(LIST)):

ascii\_value=0

j=LIST[i]

for k in range(0,len(j)):

ascii\_value=ascii\_value+ord(j[k])

LIST[i]=ascii\_value

print(LIST)

Output:[446, 514, 610, 619, 692]

**Q3) Using concept of slicing print Tupple**

Program:

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

print(tupple[0:])

Output: ('a', 'l', 'g', 'o', 'r', 'i', 't', 'h', 'm')

**Q4) Take a list**

1. **Print those numbers greater than 20**
2. **Print those numbers less than 10 or equal to 10**

Program:

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

GREATER20=[]

LESSEQUAL10=[]

for i in range(0,len(REGex)):

if(REGex[i]>20):

GREATER20.append(REGex[i])

elif (REGex[i]<=10):

LESSEQUAL10.append(REGex[i])

print("List of numbers greater then 20:: ",GREATER20)

print("List of numbers less and equal to 10:: ",LESSEQUAL10)

Output:

List of numbers greater then 20:: [77, 44, 33, 65, 89]

List of numbers less and equal to 10:: [1, 2, 3, 4, 5, 6, 7, 8, 9, 0]

**Q5) Execute standard Linux xommands using Python Programming**

import os

cmd='wc -l abc.txt > alpha.txt'

os.system(cmd)

**Q6) Revise \*args and \*\*kwargs**

|  |  |
| --- | --- |
| \*args | \*\*kwargs |
| #args: Arbitary Argument:if don't know how many no. of arguments are there | #\*\*kwargs: key argument used for key value pairs argumment |
| Non keyword value | Keyword value |