Q.1 Write a Python program which accepts the user's first and last name and prints them inreverse order with a space between them.

Code :

fname = input("Input your First Name : ");

lname = input("Input your Last Name : ");

print ("Hello " + lname + " " + fname);

Q.2 Write a Python program which accepts a sequence of comma-separated numbers from theuser and generates a list and a tuple with those numbers.

Code :

values = input("Input some comma seprated numbers : ") list = values.split(",") tuple = tuple(list) print('List : ',list) print('Tuple : ',tuple);

Q.3 Write a Python program to display the first and last colours from the following list.

color\_list = ["Red","Green","White" ,"Black"]

Code :

color\_list = ["Red","Green","White" ,"Black"]

print( "%s %s"%(color\_list[0],color\_list[-1]))

Q 4 Write a Python program to print the calendar of a given month and year.

Code :

import calendar

y = int(input("Input the year : "))

m = int(input("Input the month : "))

print(calendar.month(y, m))

Q.5 Write a Python program to calculate number of days between two dates.

Sample dates : (2014, 7, 2), (2014, 7, 11)

Code :

from datetime import date

f\_date = date(2014, 7, 2)

l\_date = date(2014, 7, 11)

delta = l\_date - f\_date

print(delta.days)

Q.6 Write a Python program to create a histogram from a given list of integers.

Code :

def histogram( items ):

for n in items:

output = ''

times = n

while( times > 0 ):

output += '\*'

times = times - 1

print(output)

histogram([2, 3, 6, 5])

Q.7 Write a Python program to check whether a file exists.

Code :

from pathlib import Path

path\_to\_file = 'readme.txt'

path = Path(path\_to\_file)

if path.is\_file():

print(f'The file {path\_to\_file} exists')

else:

print(f'The file {path\_to\_file} does not exist')

Q 8 Write a python program to call an external command in Python.

Code :

from subprocess import call

call(["ls", "-l"])

Q.9 Write a Python program to get the current username.

Code :

Import is;

os.getlogin();

Python Data Structure

Q.1 Write a Python program to create an array of 5 integers and display the array items.

Access individual element through indexes.

Code :

from array import \*

array\_num = array('i', [1,3,5,7,9])

for i in array\_num:

print(i)

print("Access first three items individually")

print(array\_num[0])

print(array\_num[1])

print(array\_num[2])

Q.2 Write a Python program to reverse the order of the items in the array.

Code :

from array import \*

array\_num = array('i', [1, 3, 5, 3, 7, 1, 9, 3])

print("Original array: "+str(array\_num))

array\_num.reverse()

print("Reverse the order of the items:")

print(str(array\_num))

Q.3 Write a Python program to get the number of occurrences of a specified element in an

array.

Code :

from array import \*

array\_num = array('i', [1, 3, 5, 3, 7, 9, 3])

print("Original array: "+str(array\_num))

print("Number of occurrences of the number 3 in the said array: "+str(array\_num.count(3)))