# Python program to find sum of elements in list

total = 0

# creating a list

list1 = [11, 5, 17, 18, 23]

# Iterate each element in list

# and add them in variale total

for ele in range(0, len(list1)):

total = total + list1[ele]

# printing total value

print("Sum of all elements in given list: ", total)

O/p:Sum of all elements in given list: 74

#Write a Python program to create a list of empty dictionaries

n = 5

l = [{} for \_ in range(n)]

print(l)

O/p:[{}, {}, {}, {}, {}]

#Write a Python program to access dictionary keys element by index.

num = {'physics': 80, 'math': 90, 'chemistry': 86}

print(list(num)[0])

O/p:physics

#Write a Python program to iterate over dictionaries using for loops

d = {'Red': 1, 'Green': 2, 'Blue': 3}

for color\_key, value in d.items():

print(color\_key, 'corresponds to ', d[color\_key])

O/p:Red corresponds to 1

Green corresponds to 2

Blue corresponds to 3

#Write a Python program to sum all the items in a dictionary.

my\_dict = {'data1':100,'data2':-54,'data3':247}

print(sum(my\_dict.values()))

O/p:293

#.Write a Python program to create a tuple

my\_tuple = 3, 4.6, "hello","dog"

print(my\_tuple)

O/p:(3, 4.6, 'hello','dog')

#Write a Python program to create a tuple with different data types

tuplex = ("tuple", False, 3.2, 1)

print(tuplex)

O/p:('tuple', False, 3.2, 1)

#Write a Python program to convert a tuple to a string

def convertTuple(tup):

str = ''.join(tup)

return str

tuple = ('p', 'h', 'y', 't', 'o','n')

str = convertTuple(tuple)

print(str)

O/p:phyton

#Write a Python program to convert a tuple to a dictionary.

tuplex = ((2, "w"),(3, "r"))

print(dict((y, x) for x, y in tuplex))

O/p:{'w': 2, 'r': 3}

#.Write a Python program to reverse a tuple

def Reverse(tuples):

new\_tup = tuples[::-1]

return new\_tup

tuples = ('R','h','y','t','h','m')

print(Reverse(tuples))

O/p:('m', 'h', 't', 'y', 'h', 'R')