**PYTHON ASSIGNMENT DAY 11**

HARSHITHA PRIYA S

1.What is dictionary in python ? Explain with an example.

Ans: A Dictionary is a collection which is unordered,changeable and indexed.They are written in curly brackets,nad they have keys and values.

Eg: #empty dictionary

d={}

d=dict()

#dictionary with integer keys

my\_dict={1:’apple’,2:’ball}

#dictionary with mixed keys

my\_dict={‘name’:’john’,1:[2,4,3]}

#using dict

my\_dict=dict({1:’apple’,2:’ball’})

#from sequence having each item as a pair

my\_dict=dict([(1,’apple’),(2,’ball)])

2.Write a pyhton program to sum all items in a list.

Ans: def sum\_list(items):

Sum\_numbers=0

for x in items:

sum\_numbers+=x

return sum\_numbers

print(sum\_list([1,3,-8])

OR

mylist=[2,4,6]

total=sum(mylist)

print(total)

3.Write a pyhton program to create a list of empty dictionaries.

Ans: n=5

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

print(l)

4.Write a python program to access dictionary keys element by index.

Ans:my\_dict={‘name’:’priya’,’age’:18}

print(my\_dict[‘name’])

print(my\_dict(‘age’))

print(my\_dict(‘address’))

print(my\_dict[‘address’])