Ammar raza

21P-8004

QUESTION 1:

INPUT:

# make dictionaries

t={"a":1,"b":3,"c":4,"d":6}

#make function

def sum\_1(t):

s=0

#

for i,j in t.items():

s=s+j

print (i,j)

print("The sum of the values =",s)

# conditional statement for check even or odd

if s%2==0:

print("sum of the values is even",s)

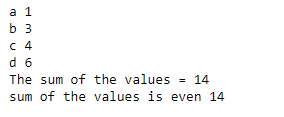
else :

print("sum of the values is odd",s)

# call the function

sum\_1(t)

OUTPUT:



QUESTION 2

INPUT

# take tuple

a=(1,3,4,5,6,7,9)

j=1

#run loop for checking the value in tuple

for i in a:

#product with i and assign it to j

j\*=i

# print the product

print("The product of tuple = ",j)

OUTPUT:



QUESTION 3:

INPUT:

# list is make

l=[[1,2,3],[4,5,6],[7,8,9]]

# make function

def search\_element(l):

# take varaible

x=int(input("Enter the value of x ="))

# run loop to get

for i in l:

for j in i:

if j==x:

print(True)

search\_element(l)

OUTPUT:



QUESTION 4:

INPUT:

# MAKE DICTORNARY

grades={

"A":4.0,

"A-":3.67,

"B+":3.33,

"B":3.0,

"B-":2.67,

"C+":2.33,

"C":2.0,

"C-":1.67,

"D+":1.33,

"D":1.0

}

# MAKE A VARIABLE FOR TAKING INPUT

n=int(input("Enter the number: "))

add=0

p=0

#RUN LOOPPP ON N

for i in range(n):

g=input("Enter your Grade in subject:")

ch=int(input("Enter the credit hours in subject:"))

gp=grades[g]

p+=(gp\*ch)

add+=ch

gpa=p/add

gpa=round(gpa,2)

print("Your GPA is",gpa)

OUTPUT:

