NAME: SHERALI

BATCH: 2021

ROLL NO: P218024

LAB TASK: 11

**QUESTION1**:

list1={"a": 2, "b": 4, "c": 5 , "d":6}

for key in list1:

print("key :",key,"value :",list1[key])

sum=0

for i in list1.values():

sum=sum+i

print("SUM of all item(values) in dictionary is =",sum)

if sum%2==0:

print("SUM IS EVEN")

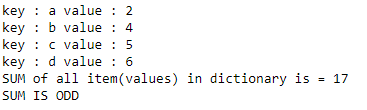
elif sum%2!=0:

print("SUM IS ODD")

else:

print("Nothing")

**OUTPUT:**



**QUESTION2:**

list1=(3,2,1)

product=1

for x in list1:

product=product\*x

print("Result of multiplying all number of given tuple is =",product)

**OUTPUT:**



QUESTION3:

def search\_element1(list1, list2):

result=False

for x in list1:

for y in list2:

if x==y:

result=True

return result

print(search\_element1([1,2,3],[3,4,5]))

**OUTPUT:**



**QUESTION4:**

subject=int(input("enter number of subject"))

gradesPoints={"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, "F":0}

grades=[]

sumGradeCreditHoursProduct=0.0

sumCreditHours=0.0

for i in range(1,5):

grade=input(f"Enter the grade for subject {i}: ")

hours=float(input(f"Enter the credit hours for subject {i}: "))

sumGradeCreditHoursProduct+=gradesPoints[grade]\*hours

sumCreditHours+=hours

GPA=sumGradeCreditHoursProduct/sumCreditHours

print("Your GPA is=",GPA)

**OUTPUT:**

