حل الوظيفة الاولى

برمجة شبكات

الاسم: ديمه كاسر صبح 2309

السؤال الاول:

**A-define a list that contain the names of graduated students''5students at least";.. create a program that accept student name and prints if the user is graduated or not.**

**list1=["ahmad","ali","karam","leen","deema","ola","kinda'']**

**while True:**

**i=input("enter a name please:")**

**if i in list1:**

**print(i+ "is graduated")**

**else:**

**print(i+ "is not graduated")**

**B-Generate and print a list of odd numbers from 1 to 1000.**

**l2=[x for x in range(1,1001) if x%2==1]**

**print(l2)**

**C-L=['Network ','Math ','Programming' ,'Physics' ,'Music']**

**In this exersice ,you will implement a python program that reads the items of the previous list and identifies the items that starts with "P" letter ,then print it on screen.**

**l=["Network" ,"Math" ,"Programming" ,"Physics" ,"Music"]**

**for i in l:**

**: "if i[0]== "P**

**(print(i**

**D-Using Dictionary comprehension ,Generate this dictionary d={1:1,2:4,3:9,4:16,5:25,6:36,7:42,8:64,9:81,10:100}**

**d1={x : x\*\*2 for x in range(1,11)}**

**d1[7]=42**

**print(d1)**

**السؤال الثاني:**

**Convert from decimal to binary**

**Write a python program that converts a decimal number from the user .then the binary equivalent number must be calculated ,finally ,the program must display the equivalent binary number on the screen**

**x=int(input('enter a decimal number,please:'))**

**result=[]**

**while x>0:**

**result.append(x%2)**

**x//=2**

**result.reverse()**

**print('the binary number is :',result)**