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)**

**السؤال الثالث:**

**Working with Files” Quiz Program”**

**Type python quiz program that takes a text or json or csv file as input for (20 (Questions, Answers)). It asks the questions and finally computes and prints user results and store user name and result in separate file.**

**import json  
name = input("Enter your name: ")  
correct = 0  
all = 0  
with open('data.json') as json\_file:  
 data = json.load(json\_file)  
 for d in data:  
 print(d)  
 ans = input()  
 if ans == data[d]:  
 correct += 1  
 all += 1  
  
resultFile = open("result.txt", "w")  
resultFile.write("your name is: "+name+"\n")  
resultFile.write("and your result is: " + str(correct)+"/" + str(all))**