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Syrian Arab Republic

Lattakia - Tishreen University

Departmentof Communication and electrical engineering

5th , Network Programming : Homework No1

الجمهورية العربية السورية

اللاذقية -جامعــة تشريـــن

كلية الهندسة الكهربائية والميكانيكية

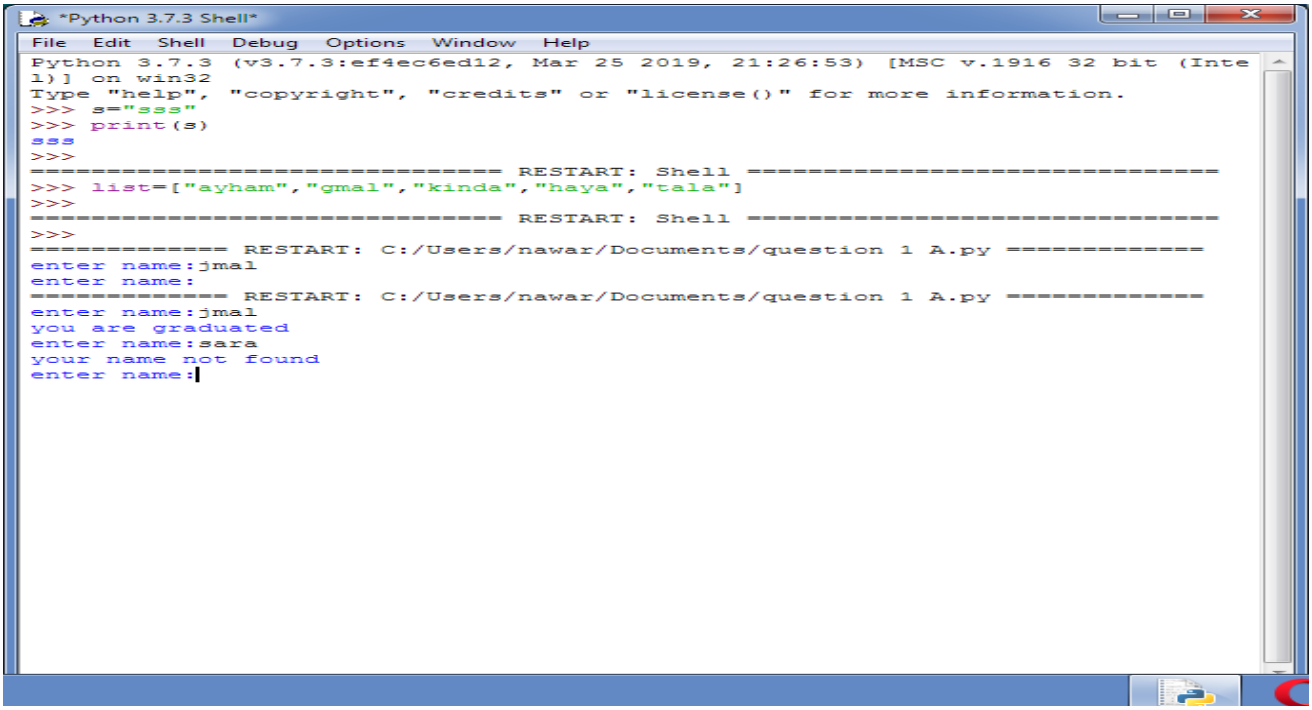
قسم هندسة الاتصالات والالكترونيات

السنة الخامسة: وظيفة1 برمجة شبكات

First Network Programming Homework

Question 1: Python Basics?

A-Define a list that contain the names of graduated students"5 students at least":
Create a program that accept student name and prints if the user is graduated or not



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

Tips: "List Comprehension"

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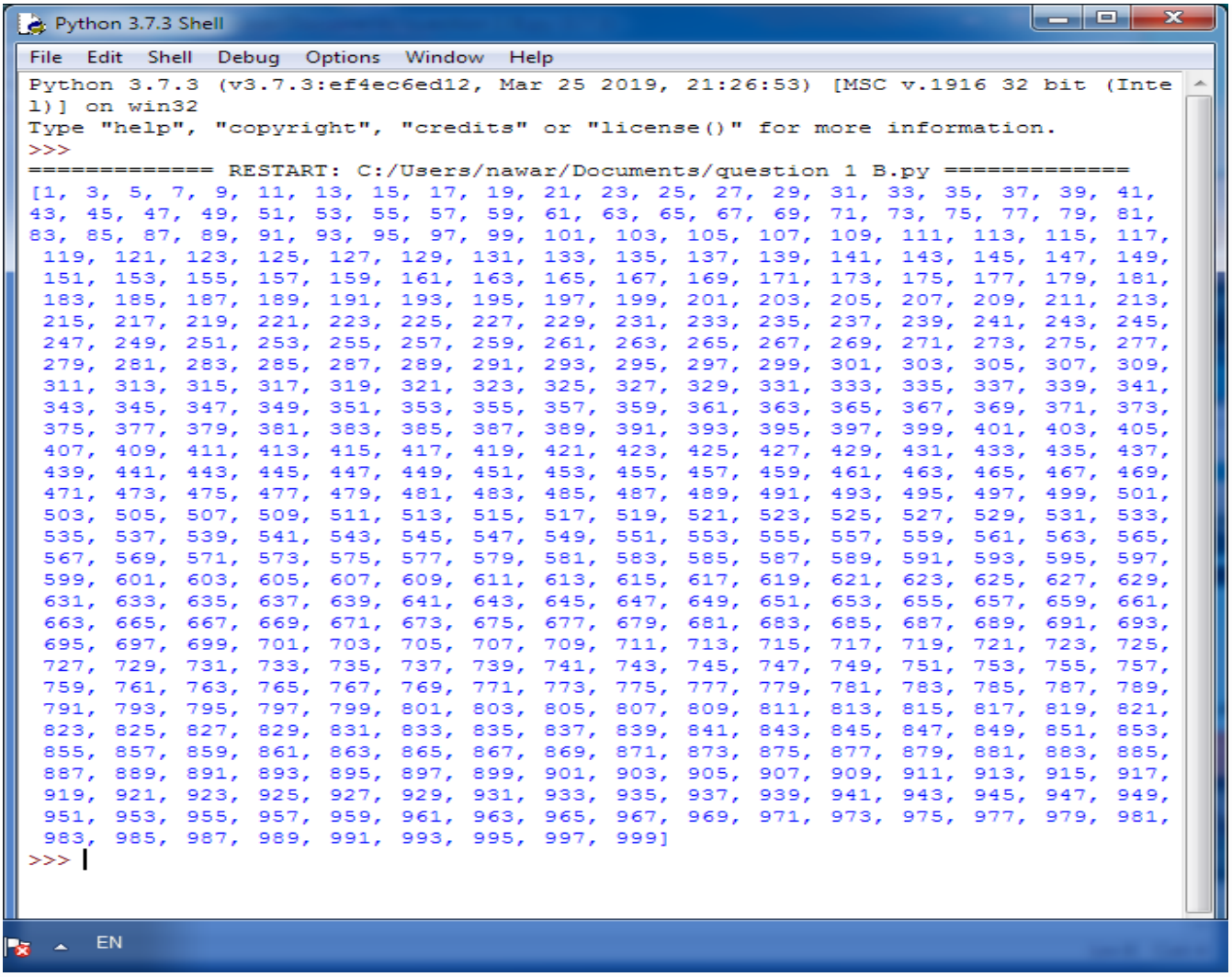

C- L=[‘Network’ , ’Math’ , ’Programming’, ‘Physics’ , ‘Music’]

In this exercise, you will implement a Python program that reads the items of the previous listand identifies the items that starts with ‘P’ letter,thenprint it on screen.

Tips: using loop, list ‘len()’ method

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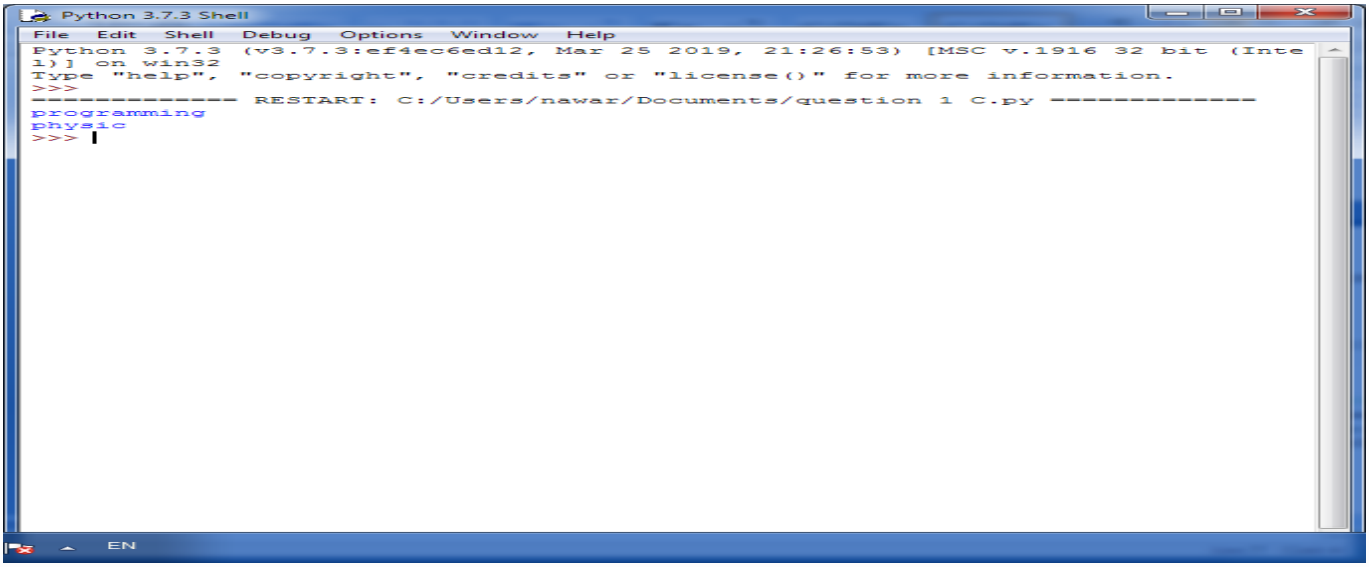

D: Using Dictionary comprehension, Generate this dictionary d={1:1,2:4,3:9,4:16,5:25,6:36,7:42,8:64,9:81,10:100}

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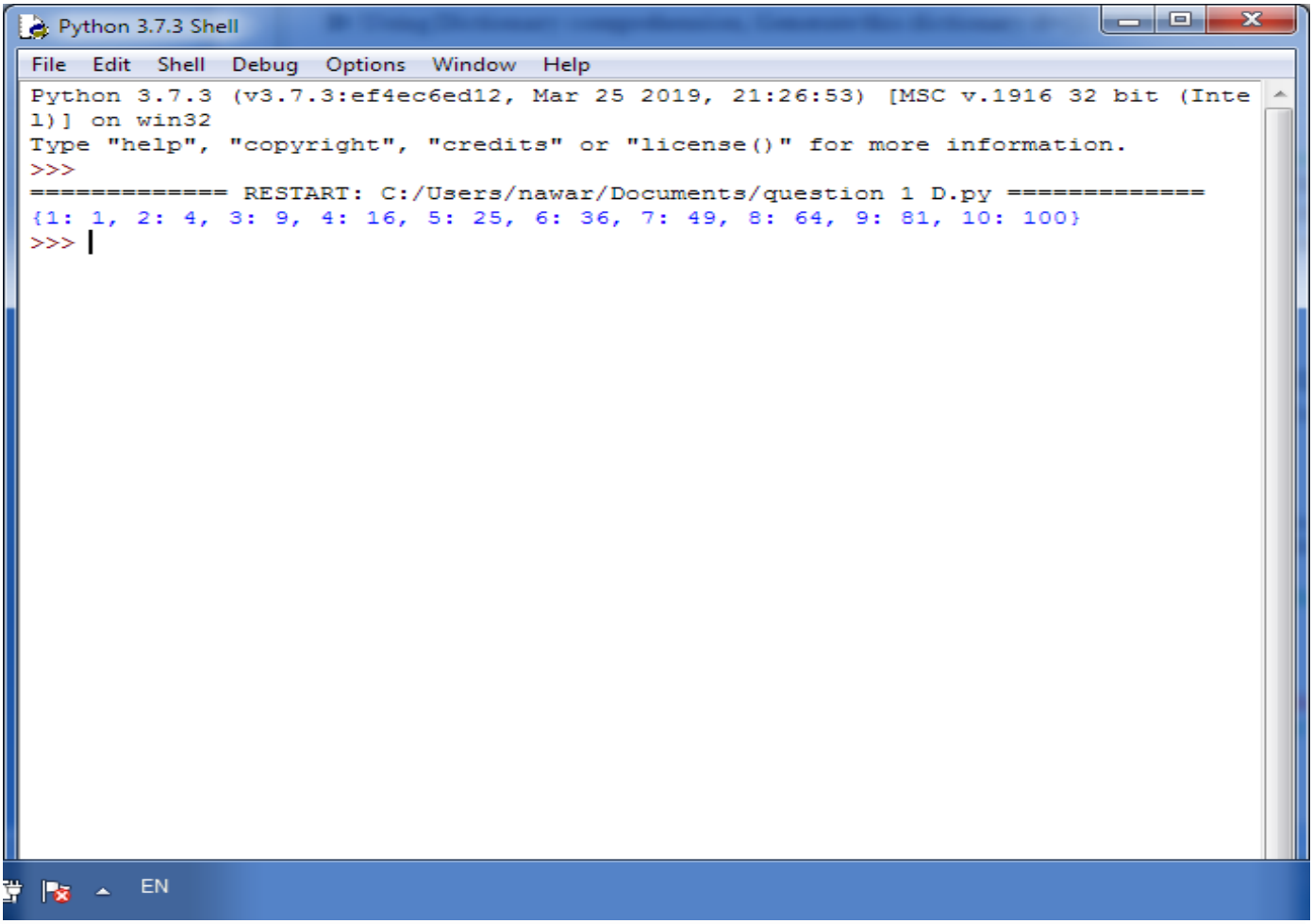

Question 2: Convert from decimal to binary

Write a Python program that converts a decimal number into its equivalent binary number.
The program should start reading the 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.
Tips: use empty list to hold binary number, use loop, use % operator, use // operator, use list append method, reverse the list.

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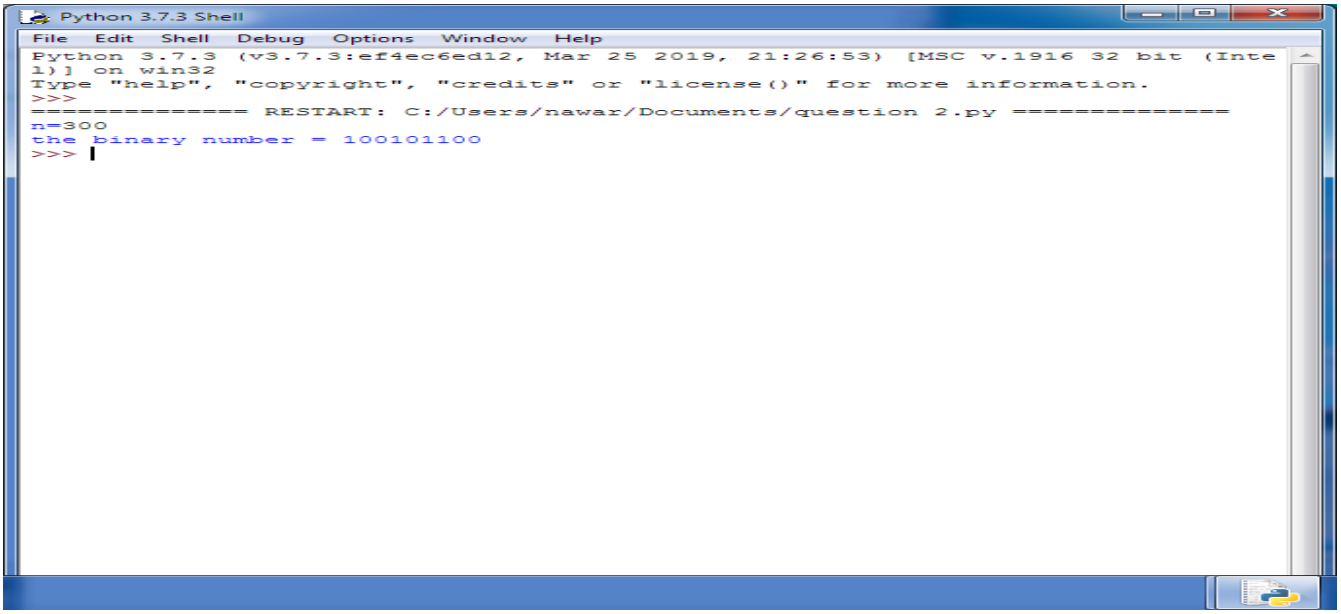

Question 3: Working with Files" Quiz Program"

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.

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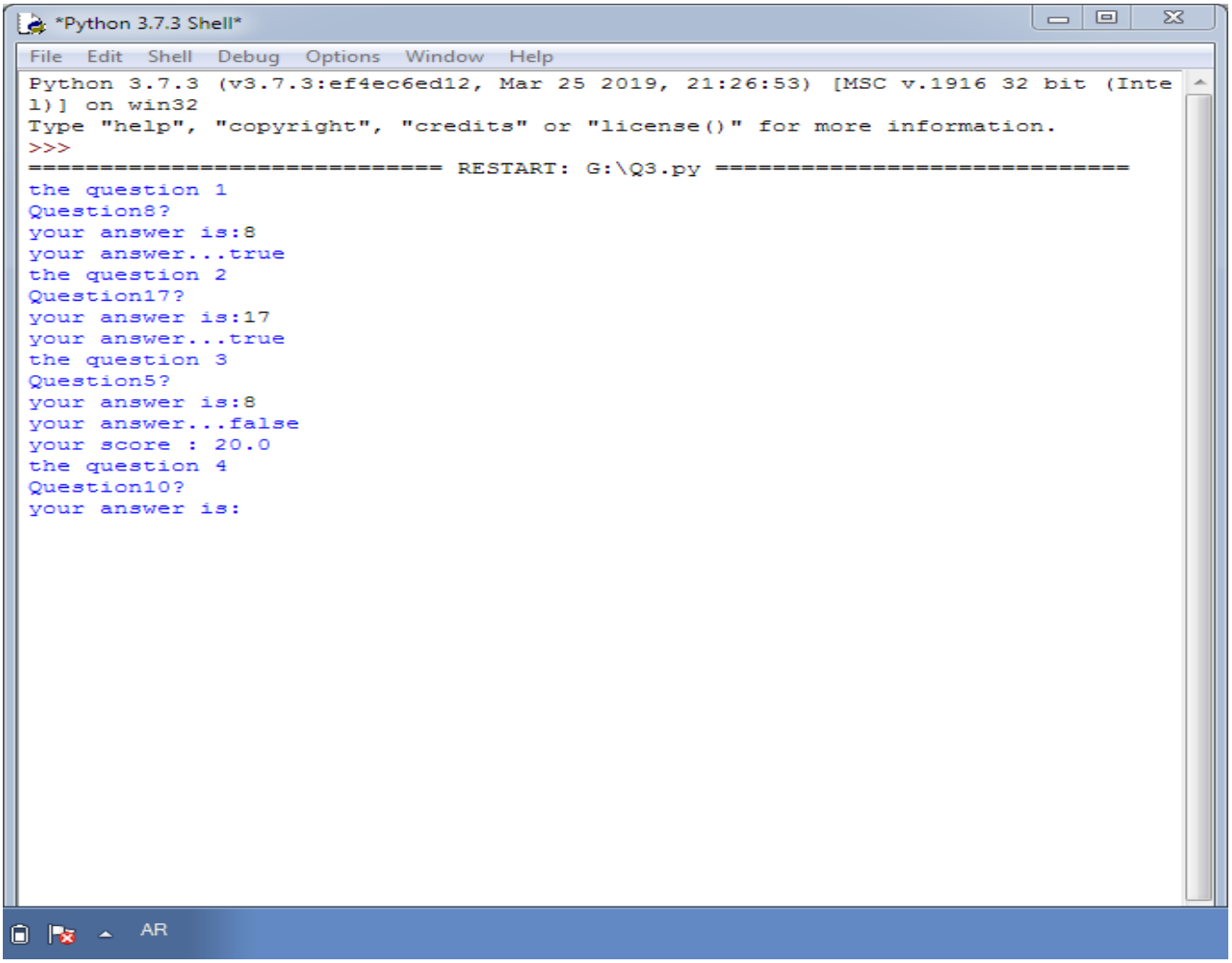

Notes

- Homework is accepted as **wellexplained**Pdf& "Nicely Formatted Code""You can do all job in one notebook then print as pdf or "copy and paste" on word document "use" then convert into pdf with extra info "
-You have to show:
Question number >>Question itself>> your answer code with explanations > your Result "you can use this doc as template"
-You Have to Show code execution as Screenshots from your laptop or phone''.
-Apply your full name and number, Homework number to pdf.
-Similar Solutions will rejected and not accepted.
- The Homework is accepted until the date of "12/5/2022", if after >> mark=mark- (current_date -12/5/2022)*0.3
- An Extra Marks if you upload your code to your GitHub Account, "PDF + Code"

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```
target_words = set()

with codecs.open(path, 'r', encoding='utf-8') as f:
    lines = f.read().split('\n')

    for l,line in enumerate(lines[0:len(lines)-4]):
        print(l,'>>>',line)
        if line.isdigit():
            print(lines[l])
            mylist=[lines[l] ,lines[l+1],lines[l+2],lines[l+3],'\n']
            all_texts.append(mylist)
            print(mylist)
            print('**********')
try:
    os.mkdir('out',0o666)
except OSError as error:
    pass
```