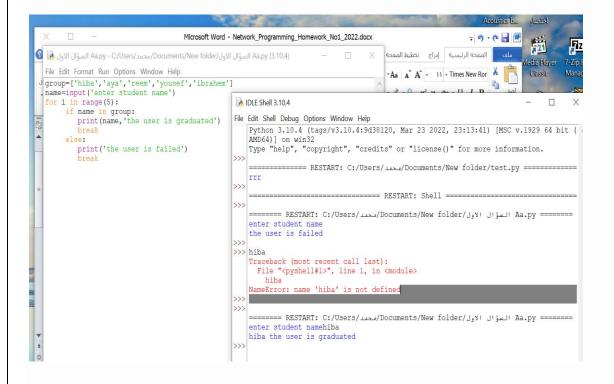
First Network Programming Homework

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.

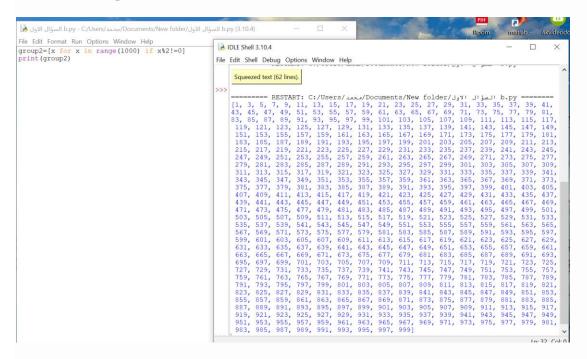


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B- Generate and print a list of odd numbers from 1 to 1000.

No1

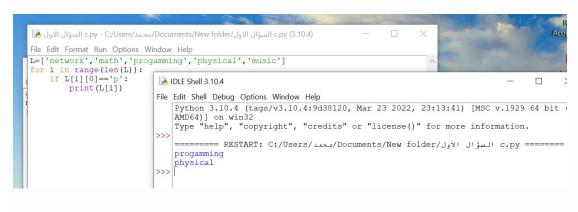


Tips: "List Comprehension"

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

In this exercise, 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.

Tips: using loop, list 'len ()' method



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__, Submitted To
: هبة سليم محمد Syrian Arab Republic
                                     ____, Number 2435:_
      GitHub:
                                                                                      اللاذقية جامعة تشرين
Lattakia - Tishreen University
                                                                                كلية الهندسة الكهربائية والميكانيكية
Department of Communication and
electrical engineering
                                                                                قسم هندسة الاتصالات والالكترونيات
5th, Network Programming: Homework
                                                                              السنة الخامسة: وظيفة ١ برمجة شبكات
No1
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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}

```
d.py (3.10.4) السؤال الاول /d.py - C:/Users/محمد/Documents/New folder السؤال الاول
File Edit Format Run Options Window Help
d={x:x**2 for x in range(1,11)}
print(d)
iDLE Shell 3.10.4
                                                                                    П
File Edit Shell Debug Options Window Help
   Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit (
   AMD64)] on win32
   Type "help", "copyright", "credits" or "license()" for more information.
   ----- السؤال الاول Pocuments/New folder/محمد d.py السؤال الاول d.py السؤال الاول
    {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100}
```

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.

```
py (3.10.4).py (1.10.4).py - C:/Users/محمد/Documents/New folder. السؤال الثاني
File Edit Format Run Options Window Help
H=int(input("H="))
t=res=0
while H!=0:
    res=res+(H%2)*(10**t)
    H=H//2
    t.+=1
print(f"the binary number= (res)")
 ▶ IDLE Shell 3.10.4
                                                                                   File Edit Shell Debug Options Window Help
     Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit
    AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
     ----- Py ----- RESTART: C:/Users/محمد/Documents/New folder
     H=5
     the binary number= (res)
```

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Syrian Alab Republic بهبة سليم محمد , Number 2435: ________, Submitted To , Subm
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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.

Notes

- Homework is accepted as **well explained** 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"

```
SS
                                                                      iDLE Shell 3.10.4
                                                                                                                                                                                    \square ×
 ا مايو 22 ♦
                                                                                        X File Edit Shell Debug Options Window Help
 File Edit Format Run Options Window Help
                                                                                                   Correc answer should be: Istanbul
  import random
                                                                                                   Question # 15
                                                                                                   What is the change of a substance from a gaseous state to a liquid state called? What is your answer? .
      score=0
      questionsRight=0
      fileName='e:\\hh.csv'
quizFile = open(fileName,"r")
quizData = quizFile.readlines()
                                                                                                    Correc answer should be: condensation
                                                                                                   Question # 16
what is tha capital of lebanon?
What is your answer? .
      random.shuffle(quizData)
      questionno=1
      for i in range(20):
    x = quizData[i].strip()
                                                                                                   Correc answer should be: beirut
          data = x.split(","
question = data[0]
          CorrectAnswer = data[1]
                                                                                                   what is tha capital of syria? What is your answer? .
          print("Question #",questionno)
          print (question)
                                                                                                   Correc answer should be: damascuse
          answer = input("What is your answer? ")
if answer == CorrectAnswer:
                                                                                                   Question # 18
               print("Correct!")
                                                                                                   How long can a scorpion live without food or drink?
                                                                                                    What is your answer? .
               questionsRight=questionsRight+1
                                                                                                   Incorrect.
               questionno = questionno+1
                                                                                                   Correc answer should be: four weeks
              print("Incorrect.")
                                                                                                   Be careful of the mean one if...?
               print("Correc answer should be: "+CorrectAnswer)
                                                                                                   What is your answer? 1
               questionno = questionno+1
      totalScore = (score / 10) * 100
      print("You got ",score," questions right, and a score of ",totalScore,"%.")
                                                                                                    In what year did Al-Khwarizmi die?
 cuiz()
                                                                                                   What is your answer? 750 AD Correct!
                                                                                                   You got 1 questions right, and a score of 10.0 %.
                                                                                                                                                                                    Ln: 125 Co
```