

## الوظيفة الاولى

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السؤال الاول الطالب A

```
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L = [ 'ola' , 'alaa' , 'nour' , 'zenab' , 'sara' ]
name = input("please enter your name:")
x = name
if x in L:
    print("you are graduate")
else:
    print("you are not graduate")
```

```
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Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/Alaa/Desktop/aa.py =====
please enter your name:ali
you are not graduate
>>>
>>>
===== RESTART: C:/Users/Alaa/Desktop/aa.py =====
please enter your name:sara
you are graduate
>>> |
```

## السؤال الاول الطلب B :

[1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 263, 265, 267, 269, 271, 273, 275, 277, 279, 281, 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307, 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 337, 339, 341, 343, 345, 347, 349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369, 371, 373, 375, 377, 379, 381, 383, 385, 387, 389, 391, 393, 395, 397, 399, 401, 403, 405, 407, 409, 411, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433, 435, 437, 439, 441, 443, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473, 475, 477, 479, 481, 483, 485, 487, 489, 491, 493, 495, 497, 499, 501, 503, 505, 507, 509, 511, 513, 515, 517, 519, 521, 523, 525, 527, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547, 549, 551, 553, 555, 557, 559, 561, 563, 565, 567, 569, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603, 605, 607, 609, 611, 613, 615, 617, 619, 621, 623, 625, 627, 629, 631, 633, 635, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657, 659, 661, 663, 665, 667, 669, 671, 673, 675, 677, 679, 681, 683, 685, 687, 689, 691, 693, 695, 697, 699, 701, 703, 705, 707, 709, 711, 713, 715, 717, 719, 721, 723, 725, 727, 729, 731, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 825, 827, 829, 831, 833, 835, 837, 839, 841, 843, 845, 847, 849, 851, 853, 855, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 877, 879, 881, 883, 885, 887, 889, 891, 893, 895, 897, 899, 901, 903, 905, 907, 909, 911, 913, 915, 917, 919, 921, 923, 925, 927, 929, 931, 933, 935, 937, 939, 941, 943, 945, 947, 949, 951, 953, 955, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 977, 979, 981, 983, 985, 987, 989, 991, 993, 995, 997, 999]

>>>

## السؤال الاول الطلب c:

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```
l=["Network", "Math", "programming", "physics", "Music"]
for i in range(len(l)):
    if l[i][0] == "p":
        print(l[i])
```

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Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Intel)] on win32

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>>>

===== RESTART: C:/Users/Alaa/Desktop/aa.py =====

programming

physics

>>>

## السؤال الاول : الطلب D

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```
dictionary = {  
    k1 : {k2 : k2 * k2 for k2 in range(1, 11)} for k1 in range(1,2)}  
print(dictionary)
```

File Edit Shell Debug Options Window Help

Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Intel)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

===== RESTART: C:/Users/Alaa/Desktop/kk.py =====

{1: {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100}}

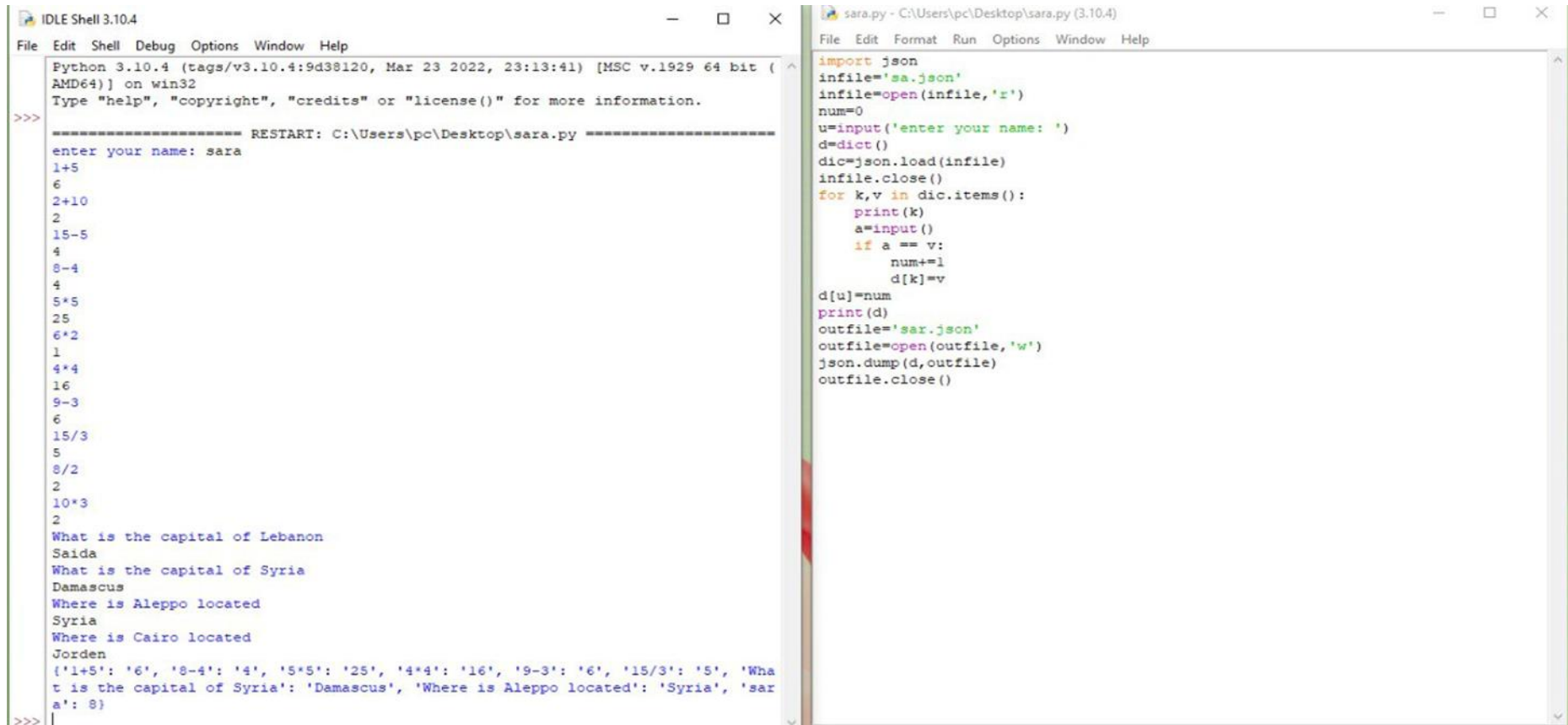
>>>

## السؤال الثاني :

```
dec =int(input("enter any number: "))
l=[]
while dec>0:
    l.append(dec%2)
    dec=dec//2
l.reverse()
for dec in l:
    print(dec,end=" ")
```

```
Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/Alaa/Desktop/question 2.py =====
enter any number: 115
1 1 1 0 0 1 1
>>> |
```

## السؤال الثالث :



```
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.
>>>
===== RESTART: C:\Users\pc\Desktop\sara.py =====
enter your name: sara
1+5
6
2+10
2
15-5
4
8-4
4
5*5
25
6*2
1
4*4
16
9-3
6
15/3
5
8/2
2
10*3
2
What is the capital of Lebanon
Saïda
What is the capital of Syria
Damascus
Where is Aleppo located
Syria
Where is Cairo located
Jordan
{'1+5': '6', '2+10': '12', '15-5': '10', '8-4': '4', '5*5': '25', '4*4': '16', '9-3': '6', '15/3': '5', 'What is the capital of Lebanon': 'Saïda', 'What is the capital of Syria': 'Damascus', 'Where is Aleppo located': 'Syria', 'Where is Cairo located': 'Jordan'}
>>>
```

```
sara.py - C:\Users\pc\Desktop\sara.py (3.10.4)
File Edit Format Run Options Window Help
import json
infile='sa.json'
infile=open(infile,'r')
num=0
u=input('enter your name: ')
d=dict()
dic=json.load(infile)
infile.close()
for k,v in dic.items():
    print(k)
    a=input()
    if a == v:
        num+=1
        d[k]=v
d[u]=num
print(d)
outfile='sar.json'
outfile=open(outfile,'w')
json.dump(d,outfile)
outfile.close()
```