Syrian Arab Republic

Lattakia - Tishreen University

Department of Communication and electrical engineering

5th, Network Programming: Homework No1



الجمهورية العربية السورية اللاذقية جامعة تشرين اللاذقية جامعة تشرين كلية الهندسة الكهربانية والميكانيكية قسم هندسة الاتصالات والالكترونيات السنة الخامسة: وظيفة 1 برمجة شبكات

الاسم: بشرى رفعت مرتضى الرقم الجامعي: 1714

Q1:A-

```
1-A.py - C:\Untitled Folder\1-A.py (3.11.2)
File Edit Format Run Options Window Help
def func(k, v):
   d=dict()
    for i in range(len(k)):
       d[k[i]]=v[i]
    return d
L1=['HTTP','HTTPS','FTP','DNS']
L2 = [80, 443, 20, 53]
print(func(L1,L2))
lDLE Shell 3.11.2
                                                                                File Edit Shell Debug Options Window Help
   Python 3.11.2 (tags/v3.11.2:878ead1, Feb 7 2023, 16:38:35) [MSC v.1934 64 bit
   AMD64)] on win32
   Type "help", "copyright", "credits" or "license()" for more information.
>>>
   ============ RESTART: C:\Untitled Folder\1-A.py ================
   {'HTTP': 80, 'HTTPS': 443, 'FTP': 20, 'DNS': 53}
·>>
```

```
Q1:B-
1-B.py - C:\Untitled Folder\1-B.py (3.11.2)
File Edit Format Run Options Window Help
def f(x):
    a=True
    for i in range (2,x):
        if x%i==0:
             a=False
            break
    if a:
        return x
    else:
        return 0
L=[f(x) \text{ for } x \text{ in range}(1,1000) \text{ if } f(x)!=0]
print(L)
IDLE Shell 3.11.2
                                                                          ×
ile <u>E</u>dit She<u>l</u>l <u>D</u>ebug <u>O</u>ptions <u>W</u>indow <u>H</u>elp
  _____
   [1, 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61,
   67, 71, 73, 79, 83, 89, 97, 101, 103, 107, 109, 113, 127, 131, 137, 139,
  149, 151, 157, 163, 167, 173, 179, 181, 191, 193, 197, 199, 211, 223, 22
  7, 229, 233, 239, 241, 251, 257, 263, 269, 271, 277, 281, 283, 293, 307,
  311, 313, 317, 331, 337, 347, 349, 353, 359, 367, 373, 379, 383, 389, 39
  7, 401, 409, 419, 421, 431, 433, 439, 443, 449, 457, 461, 463, 467, 479,
  487, 491, 499, 503, 509, 521, 523, 541, 547, 557, 563, 569, 571, 577, 58
  7, 593, 599, 601, 607, 613, 617, 619, 631, 641, 643, 647, 653, 659, 661,
  673, 677, 683, 691, 701, 709, 719, 727, 733, 739, 743, 751, 757, 761, 76
  9, 773, 787, 797, 809, 811, 821, 823, 827, 829, 839, 853, 857, 859, 863,
  877, 881, 883, 887, 907, 911, 919, 929, 937, 941, 947, 953, 967, 971, 97
  7, 983, 991, 997]
```

Ln: 37 Col: 0

```
Q1:C-
1-C.py - C:\Untitled Folder\1-C.py (3.11.2)
File Edit Format Run Options Window Help
l=['Network','Math','Programming','Physics','Music']
for i in range(0,len(1)):
   if 1[i][:2]=='Ph':
       print(l[i])
IDLE Shell 3.11.2
Edit Shell Debug Options Window Help
 Python 3.11.2 (tags/v3.11.2:878ead1, Feb 7 2023, 16:38:35) [MSC v.1934 6
 AMD64)] on win32
 Type "help", "copyright", "credits" or "license()" for more information.
 Physics
Q1:D-
1-D.py - C:\Untitled Folder\1-D.py (3.11.2)
File Edit Format Run Options Window Help
d={x:x+1 \text{ for } x \text{ in range}(1,11)}
```

```
2.py - C:\Untitled Folder\2.py (3.11.2)
File Edit Format Run Options Window Help
def binToDec(binary):
   1=[]
   dec=0
   for i in binary:
       l.append(int(i))
   1.reverse()
   for i in range(len (1)):
       dec+=1[i]*2**i
   return dec
while True:
   b=input("Enter binary to convert to decimal and 0 to exit: ")
   if b=='0':
       print ("end")
       break
   if b.isalnum():
       if "1" not in b or "0" not in b:
           print("error input")
           continue
       else:
           print(binToDec(b))
   else:
       print("error input")
IDLE Shell 3.11.2
                                                                       X
 Edit Shell Debug Options Window Help
 Enter binary to convert to decimal and 0 to exit: 100
 Enter binary to convert to decimal and 0 to exit: 1000
 Enter binary to convert to decimal and 0 to exit: 2000
 error input
 Enter binary to convert to decimal and 0 to exit: 121
 error input
 Enter binary to convert to decimal and 0 to exit: aa
 error input
 Enter binary to convert to decimal and 0 to exit: 1011
 Enter binary to convert to decimal and 0 to exit: 10111
 Enter binary to convert to decimal and 0 to exit: 0
 end
```

```
THE LUIT FORMAL INTER OPTIONS WITHOUT HELP
def extractfield(filename,n):
    infile=open(filename, "r")
    return [line.rstrip().split(',')[n-1] for line in infile]
c=0
infile=open("questions.csv",'r')
outfile=open("marks.csv","w")
questions=extractfield("questions.csv",1)
answers=extractfield("questions.csv",2)
for i in range(len(questions)):
    print(questions[i])
    answer=input()
    if answer==answers[i]:
        c+=1
name=input("input your name: ")
count=str(c)
print(name, count)
outfile.write(name+','+count)
outfile.close()
```

```
1*1
  1
  2*2
  4
  3*3
  9
  4*4
  16
  5*5
  2222
  6*6
  36
  7*7
  49
  8*8
  211
  9*9
  81
  10*10
  100
  11*11
  121
  12*12
  144
  9*9
  81
  8*8
  211
  7*7
  49
  6*6
  36
  5*5
  2222
  3*3
  9
  2*2
  4
  1*1
  input your name: Bushra
  Bushra 16
>>>
```

الملفات:

	Α	В	С	D	Е
1	1*1	1			
2	2*2	4			
3	3*3	9			
4	4*4	16			
5	5*5	25			
6	6*6	36			
7	7*7	49			
8	8*8	64			
9	9*9	81			
10	10*10	100			
11	11*11	121			
12	12*12	144			
13	9*9	81			
14	8*8	64			
15	7*7	49			
16	6*6	36			
17	5*5	25			
18	3*3	9			
19	2*2	4			
20	1*1	1			
21					
22					

	Α	В	С	D
1	Bushra	16		
2				
3				
4				
5				
6				
7				
8				