

Syrian Arab Republic

Lattakia - Tishreen University

Department of Communication and electrical
engineering

5th , Network Programming : Homework No1



الجمهورية العربية السورية

اللاذقية - جامعة تشرين

كلية الهندسة الكهربائية والميكانيكية

قسم هندسة الاتصالات والالكترونيات

السنة الخامسة: وظيفة 1 برمجة شبكات

الرقم الجامعي: 2339

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السؤال الأول

-A-

```
L1=['HTTP','HTTPS','FTP','DNS']
```

```
L2=[80,443,20,53]
```

```
d={}
```

```
for i in range(len(L1)):
```

```
    d[L1[i]]=L2[i]
```

```
print(d)
```

الخرج

```
{ 'HTTP': 80, 'HTTPS': 443, 'FTP': 20, 'DNS': 53 }
```

-B-

```
def primary(x):
```

```
    for i in range(2,x):
```

```
        if x%i==0:
```

```
            return False
```

```
    return True
```

```
L=[x for x in range(1,1000) if primary(x)]
```

```
print(L)
```

الخرج

```
[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, 227, 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, 397, 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, 587, 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, 769, 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, 977, 983, 991, 997]
```

-C-

```
L=['Network','Math','Programming','Physics','Music']
```

```
for i in range(len(L)):
```

```
    if L[i].startswith('Ph'):
```

```
        print("the item which sarts with Ph is:",L[i])
```

الخرج

the item which sarts with Ph is: Physics

-D-

```
d={x:x+1 for x in range(1,11)}
```

```
print(d)
```

الخرج

{1: 2, 2: 3, 3: 4, 4: 5, 5: 6, 6: 7, 7: 8, 8: 9, 9: 10, 10: 11}

السؤال الثاني

while True:

```
bin= input("input an binary number and enter e to exit: ")
```

```
if bin=="e":
```

```
    break
```

```
t=0
```

```
for i in bin:
```

```
    if i == '0' or i == '1':
```

```
        pass
```

```
    else:
```

```
        t=1
```

```
        print('error')
```

```
        break
```

```
if t==0:
```

```
    dec = 0
```

```
    for i in range(len(bin)):
```

```
        digit = int(bin[i])
```

```
        dec += digit * 2**(len(bin)-i-1)
```

```
    print(dec)
```

الخرج

input an binary number and enter e to exit: 10000

16

input an binary number and enter e to exit: 11101

29

input an binary number and enter e to exit: 23222

error

input an binary number and enter e to exit: b10001

error

input an binary number and enter e to exit: 1100010

98

input an binary number and enter e to exit: 11111

31

input an binary number and enter e to exit: 100000

32

input an binary number and enter e to exit: e

السؤال الثالث

```
print("answer a questions")
name=input("enter your name")
infile=open("q.txt",'r')
outfile=open("bushra.csv",'w')
s=infile.read()
l=s.splitlines()
infile.close()
n=0
for i in l:
    t=i.split('$')
    print(t[0])
    s=input()
    if s==t[1]:
        n+=1
print("welcome",name,"your result is", n, " OF",len(l))
outfile.write(name)
outfile.write(",")
outfile.write(str(n))
outfile.write(",")
outfile.write(" OF "+str(len(l)))
outfile.close()
```

الخرج

```
answer a questions
enter your namebushra
split method to turn string in list
true
join method to turn list in string
true
32+2
34
33+1
34
what is my id
2339
30+4
```

34

35-1

34

2+1000

1002

what is my id

2339

16+1

18

8+2

10

2*2

3

15*10

150

0+0

0

12+13

25

welcome bushra your result is 13 OF 15