

Syrian Arab Republic

Lattakia - Tishreen University

Department of Communication and  
electrical engineering

5<sup>th</sup> , Network Programming : Homework  
No1



الجمهورية العربية السورية

اللاذقية - جامعة تشرين

كلية الهندسة الكهربائية والميكانيكية

قسم هندسة الاتصالات والإلكترونيات

السنة الخامسة: وظيفة 1 برمجة شبكات

Name: محمد ماهر شريقي, Number:2046, Submitted To GitHub: yes

## First Network Programming Homework

### Question 1: Python Basics?

A-

```
1 graduated_students=['mohammad', 'maher', 'faesal', 'ali', 'samer']
2 sname=input('enter student name:')
3 if sname in graduated_students:
4     print(sname, 'is graduated')
5 else:
6     print(sname, 'is not graduated')
7
```

Run: C:\Python310\python.exe "F:/ pythonProject/1-A.py"

enter student name:maher

maher is graduated

Process finished with exit code 0

B-

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```
pythonProject F:\pythonProject
1-A.py
1-B.py
1-C.py
1-D.py
docx.2046 محمد ماهر شريقي
External Libraries
Scratches and Consoles
```

```
1 odds=[x for x in range(1,1001) if x%2!=0]
2 print(odds)
3
4
```

```
Run: 1-B
C:\Python310\python.exe "F:/ pythonProject/1-B.py"
[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]
Process finished with exit code 0
```

C-

```
pythonProject F:\pythonProject
1-A.py
1-B.py
1-C.py
1-D.py
docx.2046 محمد ماهر شريقي
External Libraries
Scratches and Consoles
```

```
1 l=['Network','Math','Programming','Physics','Music']
2 for i in range(len(l)):
3     if l[i][0]=='P':
4         print(l[i])
5
6
```

```
Run: 1-C
C:\Python310\python.exe "F:/ pythonProject/1-C.py"
Programming
Physics
Process finished with exit code 0
```

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D:

```
1 d={x:x**2 for x in range(1,11)}
2 print(d)
3
```

Run: 1-D x

C:\Python310\python.exe "F:/ pythonProject/1-D.py"

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

Process finished with exit code 0

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## Question 2: Convert from decimal to binary

```
1 def main():
2     d=int(input('enter decimal: '))
3     b=func(d)
4     for i in b:
5         print(i,end='')
6
7 def func(d):
8     binary = []
9     while d!=0:
10         binary.append(d%2)
11         d//=2
12     binary.reverse()
13     return binary
14
15 if __name__=="__main__":
16     main()
```

Run: 2 x

```
C:\Python310\python.exe "F:/ pythonProject/2.py"
enter decimal: 11
1011
Process finished with exit code 0
```



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### Question 3: Working with Files” Quiz Program”

```

1 t=0
2 infile=open("t.txt", 'r')
3 outfile=open("out.txt", "w")
4 ala=[line.rstrip() for line in infile]
5 l=[]
6 for i in ala:
7     print(i[0:i.index('=')])
8     ans=input('answer ')
9     if ans==i[i.index("=")+1:]:
10         t+=1
11     l.append(i[0:i.index('=')+ans+"\n"])
12 n=input("input your name")
13 print(t)
14 print(n)
15 l.append("\n\n"+n+str(t))
16 outfile.writelines(l)
17 outfile.close()

```

Run: 3 x

```

answer 3
66/11
answer 6
input your namemohammad
13
mohammad
Process finished with exit code 0

```

```

1 10*10100
2 10*20200
3 10*30300
4 66/116
5 2+24
6 2+35
7 2+46
8 2+57
9 2+68
10 1+12
11 1*11
12 1*33
13 66/116
14
15 mohammad13

```