Syrian Arab Republic

Lattakia - Tishreen University

Department of Communication and
electrical engineering

5th , Network Programming : Homework
No1

الجمهورية العربية السورية

اللاذقية -جامعـــة تشريـــــن

كلية الهندسة الكهربائية والميكانيكية

قسم هندسة الاتصالات والالكترونيات

السنة الخامسة: وظيفة1 برمجة شبكات

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First Network Programming Homework

Question 1: Python Basics?

A-

```python
graduatenames=['abeer','alma','sally','khalil','mohammad','ahmad','ali','karam']
he_she=input('Enter name to see if he or she graduated ')
if he_she in graduatenames:
    a=True
else:
    a=False
if a:
    print("graduated")
else:
    print("not graduated")
```

output:

```
Enter name to see if he or she graduated abeer
graduated


Process finished with exit code 0
```

B-

```python
#list comprehension
nums=[x for x in range(1,1000) if x%2!=0]
print(nums,type(nums))
```

output:

```
[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,

Process finished with exit code 0



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] <class 'list'>
```

C-

```python
l=['Network','Math','Programming','Physics','Music']
for i in l:
    if i[0]=='P':
        print(i,end="\n")
```

output:

```
Programming
Physics


Process finished with exit code 0
```

D:

```python
p={x:x*x for x in range(1,11)}
print(p)
```

output:

```
{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
```

Question 2: Convert from decimal to binary

```python
num=int(input('enter a decimal  '))
l=[]
while True:
    l.append(num%2)
    num//=2
    if not num:
        break
l.reverse()
for i in range(len(l)):
    l[i]=str(l[i])
binary=''.join(l)
print(binary)
```

output:

```
enter a decimal  62
111110


Process finished with exit code 0
```

Question 3: Working with Files" Quiz Program"

```python
file="infile.txt"
def read(path):
    infile=open(path,'r')
    s=infile.read()
    #الأسئلة تفصل بينها وبين الأجوبة ,
    l=s.split(',')
    infile.close()
    #الفهارس الزوجية أسئلة والفردية وأجوبة
    questions,asnwers=[],[]
    for i in range(len(l)):
        if i%2==0:
            questions.append(l[i])
        else:
            asnwers.append(l[i])
    return (questions,asnwers)
name=input("enter your name\n")
print("s=hello word\nanswer a questions")
true=0
q,a=read(file)
for i in range(len(q)):
    print(q[i])
    s=input('')
    if s==a[i]:
        true+=1
print(true, "is true")
outfile=open("outfile.txt",'w')
outfile.writelines(name)
outfile.writelines("/n")
outfile.writelines(str(true))
outfile.close()
```

وضعنا ملف الأسئلة بالشكل التالي : سؤال فاصلة جواب سؤال فاصلة جواب......

output:

```
enter your name
abeer
s=hello word
answer a questions
s[0] equal to
h
s[1] equal to
e
s[2] equal to
l
s[3] equal to
l
s[4] equal to
o
s[5] equal to

len(s) equal to
10
s.startwith("e") equal to
true
7 is true

Process finished with exit code 0
|
```

Files:

A.py ×   B.py ×   C.py ×   D.py ×   question 2.py ×   #question 3.py ×   infile.txt ×   outfile.txt ×

```
s[0] equal to,h,s[1] equal to,e,s[2] equal to,l,s[3] equal to,l,s[4] equal to,o,s[5] equal to, ,len(s) equal    ✗ 2 ∧
```

abeer/n7