Syrian Arab Republic

Lattakia - Tishreen University

Department of Communication and electrical engineering

5th , Network Programming : Homework No1

الجمهورية العربية السورية

اللاذقية -جامعــة تشريـــن

كلية الهندسة الكهربائية والميكانيكية

قسم هندسة الاتصالات والالكترونيات

السنة الخامسة: وظيفة1 برمجة شبكات

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السؤال الأول

A

```
#question1 A
students=['yara','zubaida','laial','ali','sara']
name=input('input a student name:')
if name in students:
    print("student is graduated")
else:
    print("student is not graduated")
```

```
input a student name:yara
student is graduated


Process finished with exit code 0
```

output1 Figure

B

```
#question1 B
odd=[x for x in range(1,1000) if x%2!=0]
print(odd)
```

```
[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, 5

Process finished with exit code 0
```

Figure 2 output

C

```
#question1 C
L=['Network','Math','Programming','Physics','Music']
for i in range(len(L)):
    if L[i].startswith('P'):
        print(L[i])
```

Programming

Physics

Process finished with exit code 0

output3 Figure

D

```
#question1 D
d={x:x**2 for x in range(1,11)}
print(d)
```

{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

Figure 4 out put

السؤال الثاني

```python
#question 2
binary=[]
decimal=int(input('enter a decimal number: '))
while True:
    #القسمة باقي نحسب سي
    temp=decimal%2
    # والواحدات الأصفار نضيف
    binary.append(str(temp))
    #قسمة صحيحة
    decimal//=2
    if decimal==0:
        break
binary.reverse()
binary2=''.join(binary)
print(binary2)
```

```
-----------------------------------------------
enter a decimal number: 9
1001


Process finished with exit code 0
```
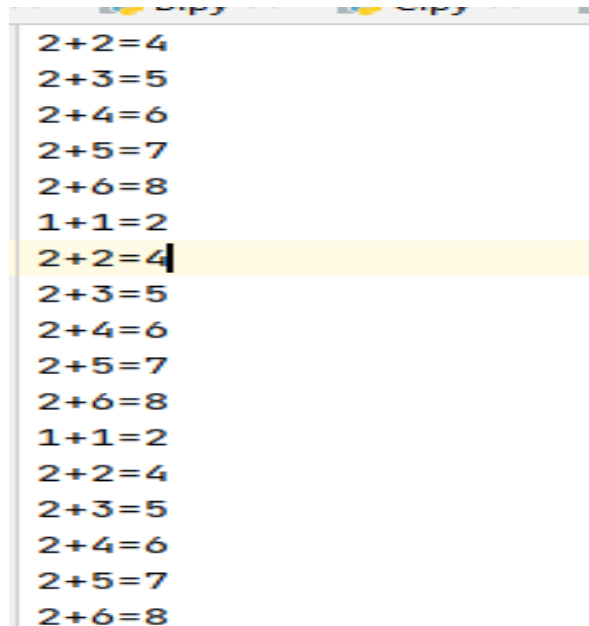
Figure 5 output

نموذج عن ملف الاسئلة:

```
2+2=4
2+3=5
2+4=6
2+5=7
2+6=8
1+1=2
2+2=4
2+3=5
2+4=6
2+5=7
2+6=8
1+1=2
2+2=4
2+3=5
2+4=6
2+5=7
2+6=8
```

```python
#question 3
file="1.txt"
infile=open(file,'r')
s=infile.read()
l=s.split()
infile.close()
c=0
for i in l:
    print(i[:-1])
    s=input()
    if s==i[-1]:
        c+=1
user=input("enter your name ")
s=user+" "+str(c)+ "from 20"
print(s)
out=open("2.txt",'w')
out.write(s)
out.close()
```

```
2+5=
7
2+6=
8
1+1=
2
1*1=
33
1*3=
55
enter your name yara
yara 18from 20


Process finished with exit code 0
```

Figure 6 output