

```
Student=["zainab","hala","raghad","julie","yara"]

Gradstud=input("enter your name")
if (Gradstud in Student):
    print(Gradstud,"is graduation student")
```

Python 3.8.2 Shell

File Edit Shell Debug Options Window Help

Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32

Type "help", "copyright", "credits" or "license()" for more

>>>

==== RESTART: C:\Users\ASUS\AppData\Local\Programs\Python\Python38-32\python.exe

enter your name:zainab

zainab is graduation student

batoul.py - C:/Users/ASUS/AppData/Local/Programs/Python/Python38-32/batoul.py (3.8.2)

File Edit Format Run Options Window Help

```
Oddnum=[]
for i in range(1,101):
    if(i%2!=0):
        Oddnum.append(i)
print(Oddnum)
```

Python 3.8.2 Shell

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>>>

==== RESTART: C:/Users/ASUS/AppData/Local/Programs/Python/Python38-32/batoul.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]
```

batoul.py - C:/Users/ASUS/AppData/Local/Programs/Python/Python38-32/batoul

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```
L=['Network','Math','programming','physics','Music']
P=[]
for i in L :
    x=i.startswith('p')
    if x==True:
        P.append(i)
print(P)
```

Python 3.8.2 Shell

File Edit Shell Debug Options Window Help

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29)
tel)] on win32
Type "help", "copyright", "credits" or "license()" for more
>>>
== RESTART: C:/Users/ASUS/AppData/Local/Programs/Python/Python38-32/Python38-32\python.exe
['programming', 'physics']
```

batoul.py - C:\Users\ASUS\AppData\Local\Programs\Python\Python38-32\batoul.py (3.8.2)

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```
d= {}
i=0
while i!=11:
    d[i]=i**2
    i+=1
print(d)
```

Python 3.8.2 Shell

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```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit
tel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:\Users\ASUS\AppData\Local\Programs\Python\Python38-32\batoul.py
{0: 0, 1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100}
```

batoul.py - C:\Users\ASUS\AppData\Local\P

File Edit Format Run Options Window

```
N=int(input("enter a dec_num"))
i=0
res=0
while N!=0 :
    res=res+(N%2)*(10**i)
    N=N//2
    i+=1
print ("the binary num =",res)
```

Python 3.8.2 Shell

File Edit Shell Debug Options Window

Python 3.8.2 (tags/v3.8.2:7b3ab59
tel)] on win32

Type "help", "copyright", "credit
>>>

== RESTART: C:\Users\ASUS\AppData

enter a dec_num10

the binary num = 1010

```
import json
Q1="" How many months in a year?
A) 5
B) 12
C) 11""
Q2="" How many days are in a leap year?
A) 364
B) 366
C) 365""
Q3="" What Is The Capital Of Egypt ?
A) Cairo
B) Damascus
C) Khartoum""
Q4="" Where is the Nile River located..?
A) Sudan
B) Iraq
C) Egypt""
Q5="" What is the largest planet in the solar system?
A) Mercury
B) Jupiter
C) earth""
Q6="" What is the result of the following process  $2+2\times 2-2+2$ ?
A) 2
B) 3
C) 6""
Questions={Q1:"B",Q2:"C",Q3:"A",Q4:"C",Q5:"A",Q6:"A"}

batoul=json.dumps(Questions)
with open("batoul.json","w") as b:
    b.write(batoul)
```

```
import json

NAME=input("enter your name ")
Result=0
bal=[]

with open("batoul.json","r") as b:
    batoul=json.loads(b.read())

for i in batoul :

    print (i)
    ans=input("enter the answer:")
    bal.append(ans)
    if ans==batoul[i]:

        print ("correct")
        Result =Result+1
    else:

        print ("wrong")
        Result=Result-1
ba2={NAME:bal}
print(ba2)
print ("your final score is ",Result)
```

```
enter your name batoul
How many months in a year?
A) 5
B) 12
C) 11
enter the answer: B
correct
How many days are in a leap year?
A) 364
B) 366
C) 365
enter the answer: C
correct
What Is The Capital Of Egypt ?
A) Cairo
B) Damascus
C) Khartoum
enter the answer: A
correct
Where is the Nile River located..?
A) Sudan
B) Iraq
C) Egypt
enter the answer: A
wrong
What is the largest planet in the solar system?
A) Mercury
B) Jupiter
C) earth
enter the answer: A
correct
What is the result of the following process  $2+2\times 2-2+2$ ?
A) 2
B) 3
C) 6
enter the answer: A
correct
{'batoul': ['B', 'C', 'A', 'A', 'A', 'A']}
your final score is 4
```