```python
#q1 Convert given hrs & mins in second
x=float(input("enter  hrs:"))
y=float(input('enter minute:'))
hrs_sec= x*60*60
min_sec= y*60
seconds= hrs_sec+min_sec
print("the given time when converted in seconds is ",seconds)
```

```
     enter  hrs:2
     enter minute:3
     the given time when converted in seconds is   7380.0
```

```python
#Q5 Create class

class maths:
    def add(self,a,b):
        d=a+b
        print('addition of two no. are',d)
    def div(self,a,b):
        d=a/b
        print('division of two no. are',d)

    def sub(self,a,b):
        d=a-b
        print('differance of two no. are',d)
    def mul(self,a,b):
        d=a*b
        print('product of two no. are',d)
```

```python
o=maths()
o.add(2,4)
o.div(2,4)
o.mul(2,4)
o.sub(2,4)
```

```
     addition of two no. are 6
     division of two no. are 0.5
     product of two no. are 8
     differance of two no. are -2
```

'Q9 Accept String & print only alternate characters on a string. Ex: this i s a _ test '

```python
a=input("enter a string: ")
print(a[1::2])
```

```
enter a string: this is a test
hsi  et
```

Q.10) Create menu driven code for 1) Accept 2 numbers 2) Add 3) Sub 4) Mul 5) Div

```python
num1=float(input('enter a number '))
num2=float(input('enter a number '))

print("enter the operation to perform 1 =Add 2=Sub 3=Mul 4=Div")
a =float(input("enter the number of operation you wantt to perform"))
if a==1:
 print(num1+num2)
elif a==2:
 print(num1-num2)
elif a==3:
 print(num1**num2)
elif a==4:
 print(num1/num2)
else:
 print("operation can not be performed invalid number")
```

```
enter a number 10
enter a number 9
enter the operation to perform 1 =Add 2=Sub 3=Mul 4=Div
enter the number of operation you wantt to perform2
1.0
```

Q.6) Read file & count numbers of digit alphabets & symbols (hint one can compare using 'a' < digit < 'z'

```python
a=input("enter a string")
d=l=0
for c in a:
 if c.isdigit():
   d=d+1
 elif c.isalpha():
   l=l+1
 else:
    pass
print("letters",l)
print("digits", d)
```

```
enter a stringaditya 0109
letters 1
digits 0
letters 2
```

```
digits 0
letters 3
digits 0
letters 4
digits 0
letters 5
digits 0
letters 6
digits 0
letters 6
digits 0
letters 6
digits 1
letters 6
digits 2
letters 6
digits 3
letters 6
digits 4
```

```
#q3
k=1
for i in range(0,5):
    for j in range(0,i+1):
        if k%2==0:
            print('0',end=" ")
        else:
            print('1',end=' ')
        k+=1
    print()
```

```
1
0 1
0 1 0
1 0 1 0
1 0 1 0 1
```

```
#q8
a="13567"
for i in range(0,len(a)):
  print(a[i]*(i+1))
```

```
1
33
555
6666
77777
```

```python
#q7 Convert Paise in Rupees & paises
x=int(input("enter amount :"))
rupees = x//100
paisa =x%100
print(rupees , "rupees",paisa,"paisa")
```

```
enter amount :350
3 rupees 50 paisa
```

✓ 0s   completed at 7:21 PM   ● ✕