```
>>> ovpay=0
... sum=0
... for i in range(1,11):
...     print("Enter Working Hours of Emp ",i,":")
...     h=int(input())
... if(h>40):
...     extra=h-40
...     ovpay=extra*12
...     print("Over time pay of emp ",i," is ",ovpay)
...     sum=sum+ovpay
... else:
...     print("No Overtime Pay")
... print("Total Overtime Pay of all employees : ", sum)
...
...
Enter Working Hours of Emp  1 :
4
Enter Working Hours of Emp  2 :
5
Enter Working Hours of Emp  3 :
76
Enter Working Hours of Emp  4 :
7
Enter Working Hours of Emp  5 :
8
Enter Working Hours of Emp  6 :
9
Enter Working Hours of Emp  7 :
2
Enter Working Hours of Emp  8 :
4
Enter Working Hours of Emp  9 :
5
Enter Working Hours of Emp  10 :
11
No Overtime Pay
Total Overtime Pay of all employees :  0
>>>
```


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... sum=0
... for i in range(1,11):
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Enter Working Hours of Emp  1 :
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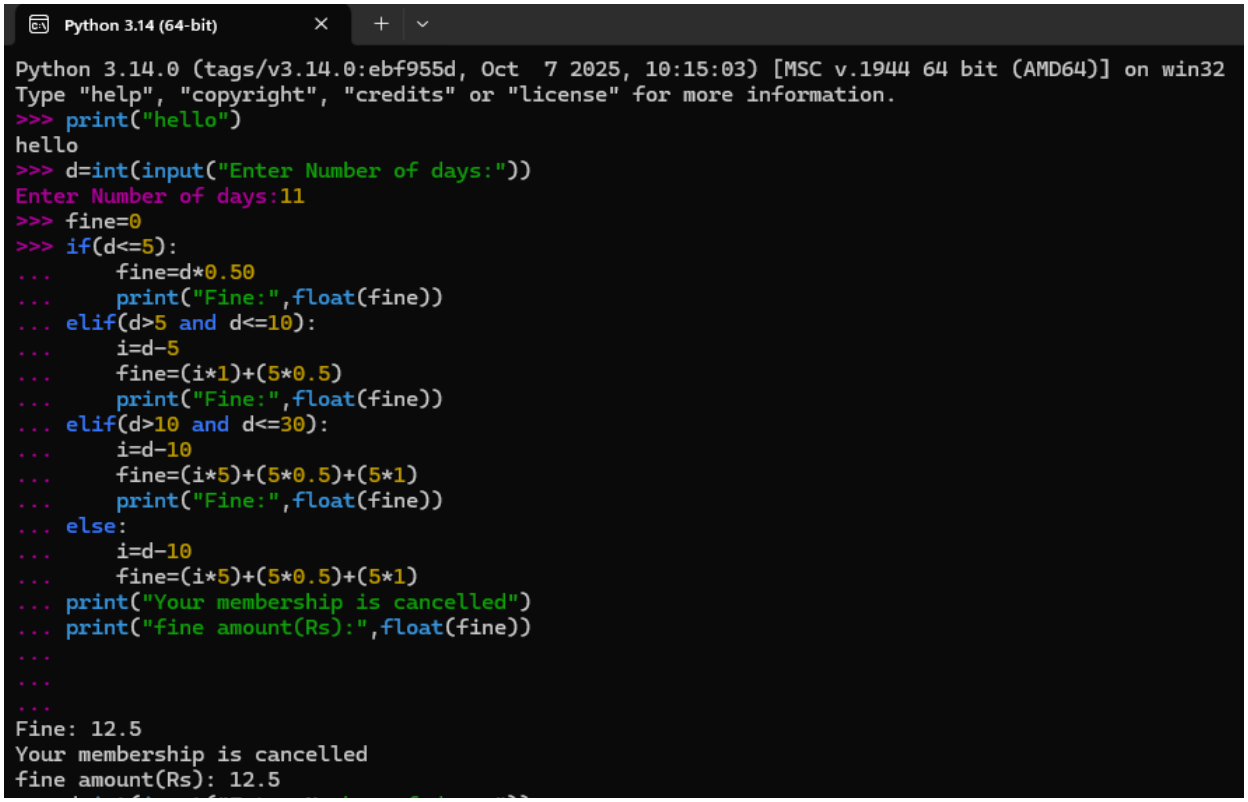
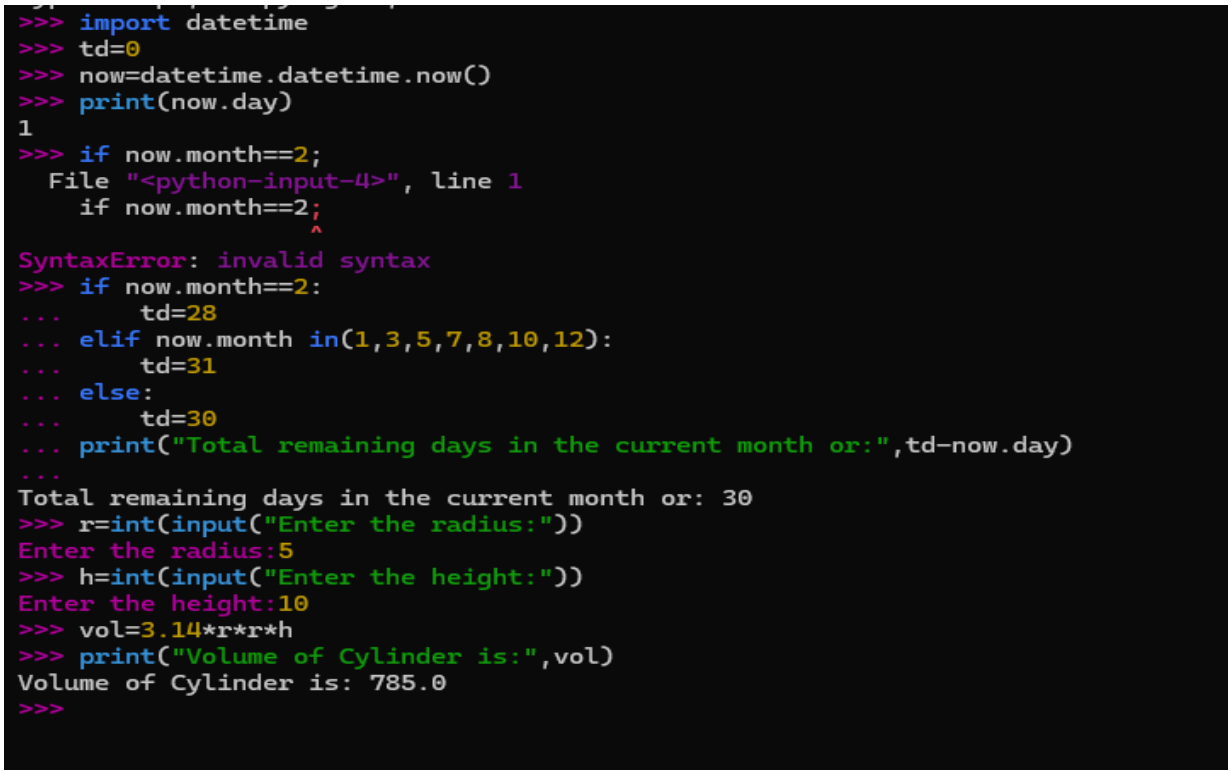
Enter Working Hours of Emp  6 :
9
Enter Working Hours of Emp  7 :
2
Enter Working Hours of Emp  8 :
4
Enter Working Hours of Emp  9 :
5
Enter Working Hours of Emp  10 :
11
No Overtime Pay
Total Overtime Pay of all employees :  0
>>>
```

```
ValueError: not enough values to unpack (expected 3, got 1)
>>> import math
... class point():
...     def __init__(self,a,b,c):
...         self.x=a
...         self.y=b
...         self.z=c
...     def distancefromorigin(self):
...         return ((self.x ** 2) + (self.y ** 2) +(self.z ** 2)) ** 0.5
...     def distance(self, point2):
...         xdiff = self.x-point2.x
...         ydiff = self.y-point2.y
...         zdiff = self.z-point2.z
...         dist = math.sqrt(xdiff**2 + ydiff**2+ zdiff**2)
...         return dist
... x1,y1,z1= (input("Enter the coordinates of a first point P1(x1,y1,z1): ")).split()
... x1,y1,z1 =[int(x1),int(y1),int(z1)]
... x2,y2,z2= (input("Enter the coordinates of a second point P2(x2,y2,z2): ")).split()
... x2,y2,z2 =[int(x2),int(y2),int(z2)]
...
... p1 = point(x1,y1,z1)
... p2 = point(x2,y2,z2)
... print('Distance from origin to P1:', p1.distancefromorigin())
... print('Distance from origin to P2:', p2.distancefromorigin())
... print('Distance from P1 to P2:',p1.distance(p2))
...
Enter the coordinates of a first point P1(x1,y1,z1): 1 2 3
Enter the coordinates of a second point P2(x2,y2,z2): 2 3 4
Distance from origin to P1: 3.7416573867739413
Distance from origin to P2: 5.385164807134504
Distance from P1 to P2: 1.7320508075688772
>>>
```


Python 3.14 (64-bit)
Python 3.14.0 (tags/v3.14.0:ebf955d, Oct 7 2025, 10:15:03) [MSC v.1944 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print("hello")
hello
>>> d=int(input("Enter Number of days:"))
Enter Number of days:11
>>> fine=0
>>> if(d<=5):
... fine=d*0.50
... print("Fine:",float(fine))
... elif(d>5 and d<=10):
... i=d-5
... fine=(i*1)+(5*0.5)
... print("Fine:",float(fine))
... elif(d>10 and d<=30):
... i=d-10
... fine=(i*5)+(5*0.5)+(5*1)
... print("Fine:",float(fine))
... else:
... i=d-10
... fine=(i*5)+(5*0.5)+(5*1)
... print("Your membership is cancelled")
... print("fine amount(Rs):",float(fine))
...
...
...
Fine: 12.5
Your membership is cancelled
fine amount(Rs): 12.5


>>> import datetime
>>> td=0
>>> now=datetime.datetime.now()
>>> print(now.day)
1
>>> if now.month==2;
File "<python-input-4>", line 1
if now.month==2;
^
SyntaxError: invalid syntax
>>> if now.month==2:
... td=28
... elif now.month in(1,3,5,7,8,10,12):
... td=31
... else:
... td=30
... print("Total remaining days in the current month or:",td-now.day)
...
Total remaining days in the current month or: 30
>>> r=int(input("Enter the radius:"))
Enter the radius:5
>>> h=int(input("Enter the height:"))
Enter the height:10
>>> vol=3.14*r*r*h
>>> print("Volume of Cylinder is:",vol)
Volume of Cylinder is: 785.0
>>>

```
>>> import datetime
>>> td=0
>>> now=datetime.datetime.now()
>>> print(now.day)
1
>>> if now.month==2;
  File "<python-input-4>", line 1
    if now.month==2;
                   ^
SyntaxError: invalid syntax
>>> if now.month==2:
...     td=28
... elif now.month in(1,3,5,7,8,10,12):
...     td=31
... else:
...     td=30
... print("Total remaining days in the current month or:",td-now.day)
...
Total remaining days in the current month or: 30
>>>
```

IDLE Shell 3.14.0

File Edit Shell Debug Options Window Help

```
Python 3.14.0 (tags/v3.14.0:ebf955d, Oct  7 2025, 10:15:03) [MSC v.1944 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.
>>> p=int(input("Enter Principal:"))
Enter Principal:6
>>> r=int(input("Enter Rates:"))
Enter Rates:4
>>> t=int(input("Enter Time:"))
Enter Time:8
>>> si=(p*r*t)/100
>>> print("Simple Interest:",si)
Simple Interest: 1.92
>>>
```

```
>>> for a in range(15,25):
...     k=0
...     for i in range(2,a//2+1):
...         if(a%i==0):
...             k=k+1
...     if(k==0):
...         print(a)
...
...
17
19
23
>>>
```

Arithmetic operations

```
>>> def add(a,b):
...     return a+b
...
>>> def sub(c,d):
...     return c-d
...
>>> def mul(e,f):
...     return e*f
...
>>> def div(g,h):
...     return g/h
...
>>> print("==========")
==========
>>> print("1. T0 PERFORM ADDITION")
1. T0 PERFORM ADDITION
>>> print("2. TO PERFORM SUBTRACTION")
2. TO PERFORM SUBTRACTION
>>> print("3. TO PERFORM MULTIPICATION")
3. TO PERFORM MULTIPICATION
>>> print("4. TO PERFORM MULTIPICATION")
4. TO PERFORM MULTIPICATION
>>> print("5. Exit")
5. Exit
>>> print("==========")
KeyboardInterrupt
>>> print("==========")
==========
>>> while(1):
...     choice = int(input("Enter Your choice"))
...       if choice ==1:
...
SyntaxError: unexpected indent
>>>     if choice ==1:
...             a=int(input("Enter the 1st value"))
...
SyntaxError: unexpected indent
>>> while(1):
...     choice = int(input("Enter Your choice"))
...     if choice ==1:
...         a=int(input("Enter the 1st value"))
...         b=int(input("Enter the 2st value"))
...
...
Enter Your choice2
Enter Your choice1
Enter the 1st value4
Enter the 2st value5
Enter Your choice
Traceback (most recent call last):
  File "<pyshell#61>", line 2, in <module>
    choice = int(input("Enter Your choice"))
ValueError: invalid literal for int() with base 10: ''
>>> while(1):
...     choice = int(input("Enter Your choice"))
...     if choice ==1:
...
SyntaxError: unexpected indent
>>> while(1):
```

```
...     choice = int(input("Enter Your choice"))
...     if choice ==1:
...         a=int(input("Enter the 1st value"))
...         b=int(input("Enter the 2st value"))
...         print(add(a,b))
...     elif choice ==2:
...         c=int(input("Enter the 1st value"))
...         d=int(input("Enter the 2nd value"))
...         print(sub(c,d))
...     elif choice ==3:
...        e=int(input("Enter  the 1st value"))
...        f=int(input("Enter the 2nd value"))
...        print(sub(c,d))
...     elif choice ==4:
...         g=int(input("Enter  the 1st value"))
...         h=int(input("Enter the 2nd value"))
...         print(div(g,h))
...     elif choice ==5:
...         print("Exited")
...         break
...     else:
...         print("wrong choice")
...
...
    Enter Your choice3
    Enter  the 1st value2
    Enter the 2nd value3
    Traceback (most recent call last):
      File "<pyshell#84>", line 14, in <module>
        print(sub(c,d))
    NameError: name 'c' is not defined
>>> while(1):
...     choice = int(input("Enter Your choice"))
...     if choice == 1:
...         a=int(input("Enter the 1st value"))
...         b=int(input("Enter the 2st value"))
...         print(add(a,b))
...     elif choice == 2:
...         c=int(input("Enter the 1st value"))
...         d=int(input("Enter the 2nd value"))
...         print(sub(c,d))
...     elif choice == 3:
...        e=int(input("Enter  the 1st value"))
...        f=int(input("Enter the 2nd value"))
...        print(sub(c,d))
...     elif choice == 4:
...         g=int(input("Enter  the 1st value"))
...         h=int(input("Enter the 2nd value"))
...         print(div(g,h))
...     elif choice == 5:
...         print("Exited")
...         break
...     else:
...         print("wrong choice")
...
...
    Enter Your choice2
    Enter the 1st value2
    Enter the 2nd value3
    -1
```

```
Enter Your choice1
Enter the 1st value5
Enter the 2st value5
10
Enter Your choice3
Enter  the 1st value5
Enter the 2nd value6
-1
Enter Your choice4
Enter  the 1st value6
Enter the 2nd value7
0.8571428571428571
Enter Your choice5
Exited
```