💾 + ✂ 📋 📋 ▶ ■ C ⏩ Code ⌄

```python
[1]: hours=35.0
     rate=12.50
     pay=hours*rate
     print(pay)
```

```
437.5
```

```python
[3]: x=0.6
     x=3.9*x*(1-x)
     print(x)
```

```
0.9359999999999999
```

```python
[5]: xx=2
     xx=xx+2
     print(xx)
     yy=440*12
     print(yy)
     zz=yy/1000
     print(zz)
     jj=23
     kk=jj%5
     print(kk)
     print(4**3)
```

```
4
5280
5.28
3
64
```

```python
[7]: x=1+2*3-4/5**6
     print(x)
```

```
6.999744
```

```python
[13]: nam=input('who are you?')
      print('welcome',nam)
```

```
who are you? Minahil
welcome Minahil
```

```python
[19]: inp=input('Europe floor?')
      usf=int(inp)+1
      print('US floor',usf)
```

```
Europe floor? 0
US floor 1
```

```python
[25]: x=input('I am')
      #ALL DONE
      print('Alhamdulillah',x)
```

```
I am Muslim
Alhamdulillah Muslim
```

```
[3]:  x=5
      if x==5:
          print('equals 5')
      if x>4:
          print('greater than 4')
      if x>=5:
          print('greater than or equals 5')
      if x<6:
          print('less than 6')
      if x<=5:
          print('less than or equals 5')
      if x!=6:
          print('not equal 6')

      equals 5
      greater than 4
      greater than or equals 5
      less than 6
      less than or equals 5
      not equal 6
```

```
[5]: x=5
     print('before 5')
     if x==5:
         print('is 5')
         print('is still 5')
         print('third 5')
     print('afterwards 5')
     print('before 6')
     if x==6:
         print('is 6')
         print('is still 6')
         print('third 6')
     print('afterwards 6')
```

```
before 5
is 5
is still 5
third 5
afterwards 5
before 6
afterwards 6
```

```
[7]: x=5
     if x<10:
         print('smaller')
     if x>20:
         print('greater')
     print('finish')
```

```
smaller
finish
```

```python
[1]: x=5
     if x>2:
         print('bigger than 2')
         print('still bigger')
     print('done with 2')
     for i in range(5):
         print(i)
         if i>2:
             print('bigger than 2')
         print('done with i',i)
     print('all done')
```

```
bigger than 2
still bigger
done with 2
0
done with i 0
1
done with i 1
2
done with i 2
3
bigger than 2
done with i 3
4
bigger than 2
done with i 4
all done
```

```python
x=42
if x>1:
    print('more than one')
    if x<100:
        print('less than 100')
print ('all done')
```

```
more than one
less than 100
all done
```

```python
x=4
if x>2:
    print('bigger')
else:
    print('smaller')
print('all done')
```

```
bigger
all done
```

```python
x=0
if x<2:
    print('small')
elif x<10:
    print('medium')
else:
    print('large')
print('all done')
```

```
small
all done
```

```python
[9]:  x=5
      if x<2:
          print('small')
      elif x<10:
          print('medium')
      else:
          print('large')
      print('all done')
```

```
medium
all done
```

```python
[11]:  x=20
       if x<2:
           print('small')
       elif x<10:
           print('medium')
       else:
           print('large')
       print('all done')
```

```
large
all done
```

```
[5]:   astr='hello bob'
       try:
           istr=int(astr)
       except:
           istr=-1
       print('first',istr)
       astr='123'
       try:
           istr=int(astr)
       except:
           istr=-1
       print('second',istr)

       first -1
       second 123


13]:   astr='12'
       try:
           print('hello')
           istr=int(astr)
           print('there')
       except:
           istr=-1
       print('done',istr)

       hello
       there
       done 12
```

```python
astr='bob'
try:
    print('hello')
    istr=int(astr)
    print('there')
except:
    istr=-1
print('done',istr)
```

```
hello
done -1
```

```python
rawstr=input('enter a number:')
try:
    ival=int(rawstr)
except:
    ival=-1
if ival>0:
    print('nice work')
else:
    print('not a number')
```

```
enter a number: 43
nice work
```

```python
rawstr=input('enter a number:')
try:
    ival=int(rawstr)
except:
    ival=-1
if ival>0:
    print('nice work')
else:
    print('not a number')
```
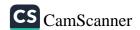
```
enter a number: forty three
not a number
```

```
x=5
print('hello')
def print_lyrics():
    print('I sleep all night and I work all day')
print('yo')
print_lyrics()
x=x+2
print(x)
```

```
hello
yo
I sleep all night and I work all day
7
```

```
def great(lang):
    if lang=='es':
        print('hola')
    elif lang=='fr':
        print('bonjour')
    else:
        print('hello')
great('en')
great('es')
great('fr')
```

```
hello
hola
bonjour
```

```python
[7]:  def great(lang):
          if lang=='es':
              return'hola'
          elif lang=='fr':
              return'bonjour'
          else:
              return'hello'
      print(great('en'),'Glenn')
      print(great('es'),'Sally')
      print(great('fr'),'Michael')
```

```
hello Glenn
hola Sally
bonjour Michael
```

```python
[9]:  def add(a,b):
          added=a+b
          return added
      x=add(3,5)
      print(x)
```

```
8
```

```
while True:
    line=input('>')
    if line=='done':
        break
    print(line)
print('Done!')
```

```
> hello world
hello world
> done
Done!
```

```
while True:
    line=input('>')
    if line[0]=='#':
        continue
    if line=='done':
        break
    print(line)
print('Done!')
```

```
> hello
hello
> # donot print it
> print it
print it
> done
Done!
```

```
for i in[5,4,3,2,1]:
    print(i)
print('Blastoff')
```

```
5
4
3
2
1
Blastoff
```

```
f=['Joseph','Glenn','Herry']
for friend in f:
    print('happy new year',friend)
print('Done')
```

```
happy new year Joseph
happy new year Glenn
happy new year Herry
Done
```

```
lar_so_far=-1
print('before',lar_so_far)
for num in (9,41,12,3,74,15):
    if num>lar_so_far:
        lar_so_far=num
    print(lar_so_far,num)
print('after',lar_so_far)
```

```
before -1
9 9
41 41
41 12
41 3
74 74
74 15
after 74
```

```
z=0
print('Before',z)
for thing in[9,41,12,3,74,15]:
    z=z+1
    print(z,thing)
print('After',z)
```

```
Before 0
1 9
2 41
3 12
4 3
5 74
6 15
After 6
```

```python
count=0
sum=0
print('before',count,sum)
for value in[9,41,12,3,74,15]:
    count=count + 1
    sum=sum + value
    print(count,sum,value)
print('after',count,sum,sum/count)
```

```
before 0 0
1 9 9
2 50 41
3 62 12
4 65 3
5 139 74
6 154 15
after 6 154 25.6666666666666668
```

```python
print('Before')
for value in[9,41,12,3,74,15]:
    if value>20:
        print('large number',value)
print('After')
```

```
Before
large number 41
large number 74
After
```

```python
found=False
print('before',found)
for value in[9,41,12,3,74,15]:
    if value==3:
        found=True
    print(found,value)
print('after',found)
```

```
before False
False 9
False 41
False 12
True 3
True 74
True 15
after True
```

```python
sm=None
print('before')
for value in[9,41,12,3,74,15]:
    if sm is None:
        sm=value
    elif value<sm:
        sm=value
    print(sm,value)
print('after',sm)
```

```
before
9 9
9 41
9 12
3 3
3 74
3 15
after 3
```