[1]:
```
print(98)
```

```
98
```

[3]:
```
print('hello world')
```

```
hello world
```

[5]:
```
print(98.3)
```

```
98.3
```

[7]:
```
a=35.0
b=12.50
c=a*b
print(c)
```

```
437.5
```

[9]:
```
xx=2
xx=xx+2
print(xx)
```

```
4
```

[ ]:

[35]:
```
temp= 98.6
type(temp)
```

[35]:
```
float
```

[39]:
```
print(float(99) + 10)
i = 42
type(i)
f = float(i)
print(f)
type(f)
```

```
109.0
42.0
```

[39]:
```
float
```

[41]:
```
print(10 / 2)
print(9 / 2)
print(99 / 100)
print(10.0 /2.0)
print(99.0 /100.0)
```

```
5.0
4.5
0.99
5.0
0.99
```

[9]:
```
xx=2
xx=xx+2
print(xx)
```

```
4
```

[11]:
```
yy=440*12
print(yy)
```

```
5280
```

[13]:
```
zz=yy/1000
print(zz)
```

```
5.28
```

[15]:
```
jj= 23
kk= jj% 5
print(kk)
```

```
3
```

[17]:
```
 print(4 **3)
```

```
64
```

```
float
```

```
print(float(99) + 10)
i = 42
type(i)
f = float(i)
print(f)
type(f)
```

```
109.0
42.0
```

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float
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print(99 / 100)
print(10.0 /2.0)
print(99.0 /100.0)
```

```
print(10 / 2)
print(9 / 2)
print(99 / 100)
print(10.0 /2.0)
print(99.0 /100.0)
```

```
5.0
4.5
0.99
5.0
0.99
```

```
inp= input('Europe floor?')
usf= int(inp)+1
print('US floor', usf)
```

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

```
nam= input('Who are you? ')
print('Welcome', nam)
```

```
Who are you?  herry
Welcome herry
```

```
x = 5
```

```
print(10 / 2)
print(9 / 2)
print(99 / 100)
print(10.0 /2.0)
print(99.0 /100.0)
```

```
5.0
4.5
0.99
5.0
0.99
```

```
inp= input('Europe floor?')
usf= int(inp)+1
print('US floor', usf)
```

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

```
nam= input('Who are you? ')
print('Welcome', nam)
```

```
Who are you?  herry
Welcome herry
```

```
temp= 98.6
type(temp)
```

```
float
```

```
print(float(99) + 10)
i = 42
type(i)
f = float(i)
print(f)
type(f)
```

```
109.0
42.0
float
```

```
print(10 / 2)
print(9 / 2)
print(99 / 100)
print(10.0 /2.0)
print(99.0 /100.0)
```

```
5.0
4.5
0.99
5.0
0.99
```

[9]:
```
xx=2
xx=xx+2
print(xx)
```

```
4
```

[11]:
```
yy=440*12
print(yy)
```

```
5280
```

[13]:
```
zz=yy/1000
print(zz)
```

```
5.28
```

[15]:
```
jj= 23
kk= jj% 5
print(kk)
```

```
3
```

[17]:
```
 print(4 **3)
```

```
64
```

```
]: x = 1 + 2 ** 3 / 4 * 5
print(x)
```

```
11.0
```

```
]: ddd= 1 + 4
print(ddd)
```

```
5
```

```
]: eee= 'hello ' + 'there'
print(eee)
```

```
hello there
```

```
]: type(eee)
```

```
]: str
```

```
]: type('hello')
```

```
]: str
```

```
]: type(1)
```

```
]: int
```

```
 a = 35.0
b = 12.50
c = a * b
print(c)
```

```
437.5
```

```
 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)
```

```
 a = 35.0
b = 12.50
c = a * b
print(c)
```

```
437.5
```

```
 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)
```

```
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
True 15
After True
```

```
largest_so_far = -1
print('Before', largest_so_far)
for the_num in [9, 41, 12, 3, 74, 15] :
    if the_num > largest_so_far :
        largest_so_far = the_num
print(largest_so_far, the_num)
print('After', largest_so_far)
```

```
Before -1
74 15
After 74
```

[1]:
```
 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: 2
Nice work
```

[10]:
```
big= max('Hello world')
print(big)

tiny= min('Hello world')
print(tiny)
```

```
w
```

[23]:
```
print(float(99) /100)
i= 42
type(i)
f = float(i)
print(f)
type(f)
print(1 +2 *float(3) /4-5)
```

```
0.99
42.0
-2.5
```

[27]:
```
x= 5
print('Hello')
def print_lyrics():
    print("I'm a lumberjack, and I'm okay.")
    print('I sleep all night and I work all day.')
print('Yo')
x= x+2
print(x)
```

```
Hello
Yo
7
```

```
def greet(lang):
    if lang == 'es':
        print('Hola')
    elif lang == 'fr':
        print('Bonjour')
    else:
        print('Hello')
```

```
def greet():
    return "Hello"
print(greet(), "Glenn")
print(greet(), "Sally")
```

```
Hello Glenn
Hello Sally
```

```
def greet(lang):
    if lang == 'es':
        return'Hola'
    elif lang== 'fr':
        return'Bonjour'
    else:
        return'Hello'
```

[19]:
```
print('Before')
for thing in [9, 41, 12, 3, 74, 15] :
    print(thing)
print('After')
```

```
Before
9
41
12
3
74
15
After
```

[25]:
```
zork = 0
print('Before', zork)
for thing in [9, 41, 12, 3, 74, 15] :
    zork = zork + 1
    print(zork, thing)
print('After', zork)
```

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

[7]:
```
while True:
 line=input('> ')
 if line=='done':
     break
 print(line)
 print('Done!')
```

```
>  2
2
Done!
>  3
3
Done!
>  done
```

[9]:
```
 n=0
 while n>0:
     print('Lather')
 print('Rinse')
 print('Dry off!')
```

```
Rinse
Dry off!
```

[41]:
```
smallest_so_far = -1
print('Before', smallest_so_far)
for the_num in [9, 41, 12, 3, 74, 15] :
    if the_num < smallest_so_far :
        smallest_so_far = the_num
print(smallest_so_far, the_num)
print('After', smallest_so_far)
```

```
Before -1
-1 15
After -1
```

[47]:
```
smallest = None
print('Before')
for value in [9, 41, 12, 3, 74, 15] :
    if smallest is None :
        smallest = value
    elif value < smallest :
        smallest = value
print(smallest, value)
print('After', smallest)
```

```
Before
3 15
After 3
```

```
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 25.666666666666668
```