```
def greet():
    print('Hello')
    print('Good morning')
```

```
def greet():
    print('Hello')
    print('Good morning')
greet()
```

```
Hello
Good morning
```

```
def greet():
    print('Hello')
    print('Good morning')
greet()
```

```
def greet():
    print('Hello')
    print('Good morning')
greet()
```

```
Hello
Good morning
Hello
Good morning
```

```
def greet():
    print('Hello')
    print('Good morning')
greet()
print()
```

```
def greet():
    print('Hello')
    print('Good morning')
greet()
```

```
Hello
Good morning
```

```
Hello
Good morning
```

```
def greet():
    print('Hello')
    print('Good morning')
greet()
print('*******')
greet()
```

```
print('********')
greet()
```

```
Hello
Good morning
*******
Hello
Good morning
********
Hello
Good morning
```

```
greet()
greet()
greet()
```

```
Hello
Good morning
Hello
Good morning
Hello
Good morning
```

```
def greet(): #function without argument
    print('Hello')
    print('Good morning')
greet()
```

```
Hello
Good morning
```

```
def add(x,y):
    c = x+ y
    print(c)
add(6,4)
```

```
10
```

```
def add(x,y): # function with argument
    c = x + y
    return c
add(6,4)
```

```
10
```

```
def add(x,y):
    c = x + y
    return c
add(6)
```

```
--------------------------------------------------------------------------
-----
```

```
TypeError                                 Traceback (most recent call
last)
Cell In[11], line 4
      2     c = x + y
      3     return c
----> 4 add(6)

TypeError: add() missing 1 required positional argument: 'y'
```

```
def add(x,y):
    c = x + y
    return c
add(6,4,5)
```

```
-------------------------------------------------------------------------
-----
TypeError                                 Traceback (most recent call
last)
Cell In[12], line 4
      2     c = x + y
      3     return c
----> 4 add(6,4,5)

TypeError: add() takes 2 positional arguments but 3 were given
```

```
def add(x,y,z):
    c = x + y
    return c
add(6,4,5)
```

```
10
```

```
def add(x,y,z):
    c = x + y + z
    return c
add(6,4,5)
```

```
15
```

```
def add(x,y,z):
    c = x + y + z + m
    return c
add(6,4,5)
```

```
-------------------------------------------------------------------------
-----
NameError                                 Traceback (most recent call
last)
Cell In[15], line 4
      2     c = x + y + z + m
      3     return c
```

```
----> 4 add(6,4,5)

Cell In[15], line 2, in add(x, y, z)
      1 def add(x,y,z):
----> 2     c = x + y + z + m
      3     return c

NameError: name 'm' is not defined
```

```
def add(x,y,z):
    c = x + y + m
    return c
add(6,4,5)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[16], line 4
      2     c = x + y + m
      3     return c
----> 4 add(6,4,5)

Cell In[16], line 2, in add(x, y, z)
      1 def add(x,y,z):
----> 2     c = x + y + m
      3     return c

NameError: name 'm' is not defined
```

```
def add(x,y,z,m):
    c = x + y + z + m
    return c
add(6,4,5,2)
```

```
17
```

```
def greet():
    print('Hello')
    print('Good morning')
greet()
```

```
def add(x,y):
    c = x + y
    return c
add(4,6)
```

```
Hello
Good morning
```

```
10
```

```
def greet():
    print('Hello')
    print('Good morning')
greet()

def add(x,y):
    c = x + y
    return c
add(4,6)

def sub(x,y):
    d = x - y
    return d
sub(6,4)
```

```
Hello
Good morning

2
```

```
def greet():
    print('Hello')
    print('Good morning')

def add(x,y):
    c = x + y
    return c

def sub(x,y):
    d = x - y
    return d

greet()
add(6,4)
sub(6,4)
```

```
Hello
Good morning

2
```

```
def greet():
    print('Hello')
    print('Good morning')

def add(x,y):
    c = x + y
    return c
```

```
def sub(x,y):
    d = x - y
    return d

greet()
print(add(6,4))
sub(6,4)
```

```
Hello
Good morning
10

2
```

```
def add_sub(x,y):
    c = x + y
    d = x - y
    return c, d
add(6,4)
sub(6,4)
```

```
2
```

```
def add_sub(x,y):
    c = x + y
    d = x - y
    return c, d
sub(6,4)
add(6,4)
```

```
10
```

```
def add_sub(x,y):
    c = x + y
    d = x - y
    return c, d
print(sub(6,4))
add(6,4)
```

```
2

10
```

```
def add_sub(x,y):
    c = x + y
    d = x - y
    return c, d
result = add_sub(6,4)
print(result)
```

```
(10, 2)
```

```
def add_sub(x,y):
    c = x + y
    d = x - y
    return c, d
result = add_sub(6,4)
print(result)
print(type(result))
```

```
(10, 2)
<class 'tuple'>
```

```
def add_sub(x,y):
    c = x + y
    d = x - y
    return c, d
result, result2 = add_sub(6,4)
print(result)
print(result2)
print(type(result))
```

```
10
2
<class 'int'>
```

```
def add_sub(x,y):
    c = x + y
    d = x - y
    return c, d
result, result2 = add_sub(6,4)
print(result)
print(result2)
print(type(result2))
```

```
10
2
<class 'int'>
```

```
def add_sub_mul(x,y):
    c = x + y
    d = x-y
    e = x*y
    return c, d, e
add,sub,mul = add_sub_mul(6,4)
add
sub
mul
```

```
24
```

Update

```
def update():
    x = 8
    print(x)
update()
```

```
8
```

```
def update():
    x = 8
    print(x)
update(8)
```

```
---------------------------------------------------------------------------
-----
TypeError                                 Traceback (most recent call
last)
Cell In[33], line 4
      2     x = 8
      3     print(x)
----> 4 update(8)

TypeError: update() takes 0 positional arguments but 1 was given
```

```
def update():
    x = 8
    return x
update()
```

```
8
```

```
def update(x):
    x = 8
    return x
update(100)
```

```
8
```

```
def update(x):
    x = 8
    return x
a = 10
update(a)
print(a)
```

```
10
```

```
def update(x):
    x = 8
    return x
a = 10
update(a)
return a
```

```
  Cell In[41], line 6
    return a
    ^
SyntaxError: 'return' outside function
```