In [1]:
```python
i = 1
while i < 6:
  print(i)
  i += 1
```

```
1
2
3
4
5
```

In [2]:
```python
a = "Hello, World585858585thyut!"
print(len(a))
```

```
27
```

In [3]:
```python
if 5 > 2:
 print("panj bozorgta as do!")
else:
        print("panj kochak ast as do!")
```

```
panj bozorgta as do!
```

In [4]:
```python
x = "awesome"

def myfunc():
  x = "fantastic"
  print("Python is " + x)

myfunc()

print("Python is " + x)
```

```
Python is fantastic
Python is awesome
```

In [5]:
```python
mylist = ["apple", "banana", "cherry"]

print(type(mylist))
```

```
<class 'list'>
```

In [6]:
```python
list1 = ["a", "b" , "c"]
list2 = [1, 2, 3]

list1.extend(list2)
print(list1)
```

```
['a', 'b', 'c', 1, 2, 3]
```

In [8]:
```python
tuple1 = ("apple", "banana", "cherry")
tuple2 = (1, 5, 7, 9, 3)
tuple3 = (True, False, False)

print(tuple1)
print(tuple2)
print(tuple3)
```

```
('apple', 'banana', 'cherry')
(1, 5, 7, 9, 3)
(True, False, False)
```

In [9]:
```python
a = 200
b = 33
if b > a:
  print("b is greater than a")
elif a == b:
  print("a and b are equal")
else:
  print("a is greater than b")
```

```
a is greater than b
```

In [10]:
```python
x = 41

if x > 10:
  print("Above ten,")
  if x > 20:
    print("and also above 20!")
else:
    print("but not above 20.")
```

```
Above ten,
and also above 20!
```

In [11]:
```python
x = min(5, 10, 25)
y = max(5, 10, 25)

print(x)
print(y)
```

```
5
25
```

In [12]:
```python
thisdict = {   "brand": "Ford","model": "Mustang","year": 1964}

print(thisdict["brand"])
```

```
Ford
```

In [13]:
```python
fruits = ["apple", "banana", "cherry"]
for x in fruits:
  print(x)
```

```
apple
banana
cherry
```

In [30]:
```python
tuple1 = ("abc", "male")
for i in tuple1:
    print (i)
    if i == "abc":
        break
```

abc

In [21]:
```python
fruits = ["apple", "banana",]
for x in fruits:
  print(x)
  if x == "banana":
    break
```

apple
banana

In [ ]: