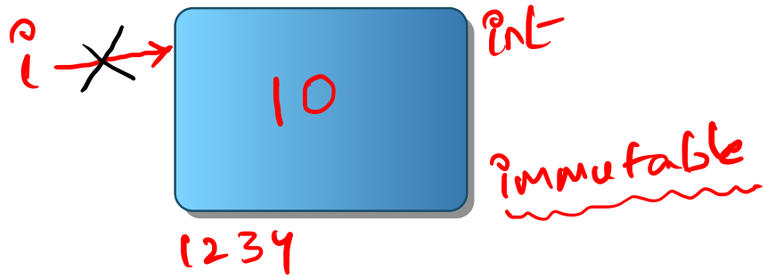
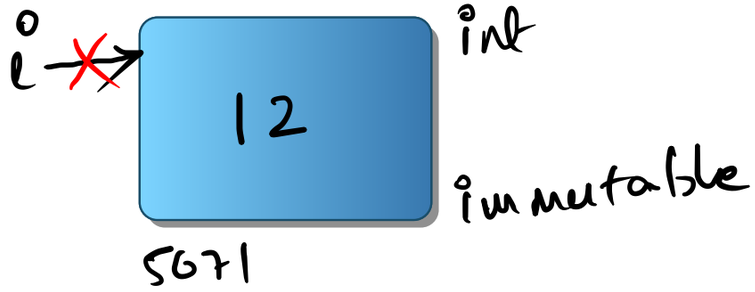
```
i = 10
i = 12
i = 'python'
i = 100
```

garbage collector

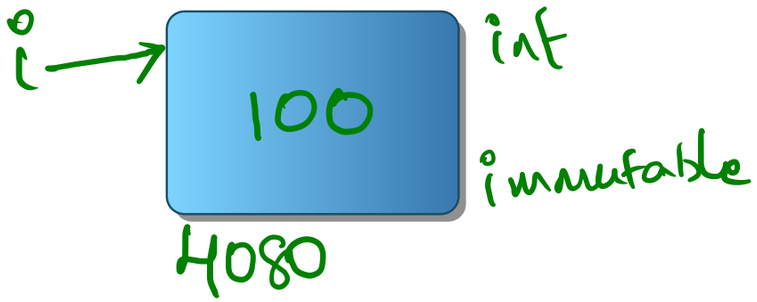


4



4

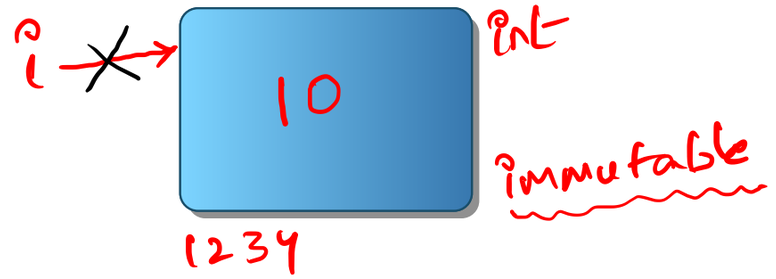
6



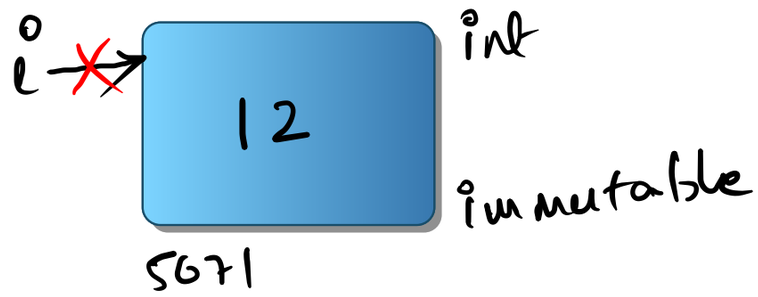
4

```
i = 10
i = 12
i = 'python'
i = 100
```

```
j = i
```

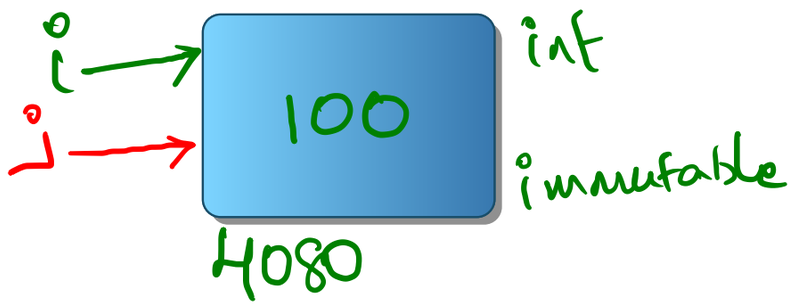


4



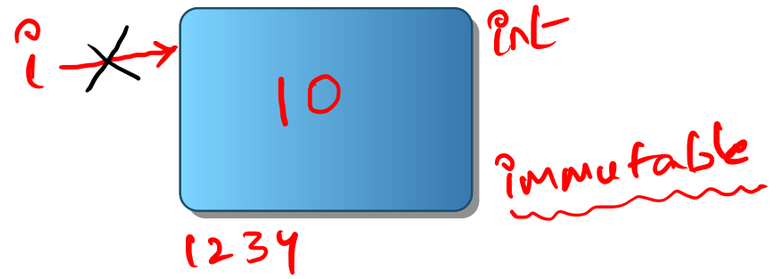
4

6

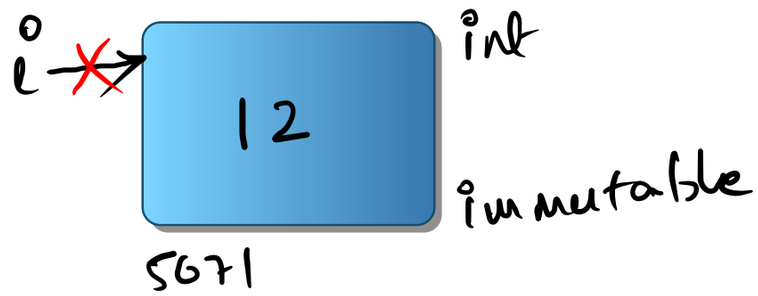


4

```
i = 10
i = 12
i = 'python'
i = 100
```



4

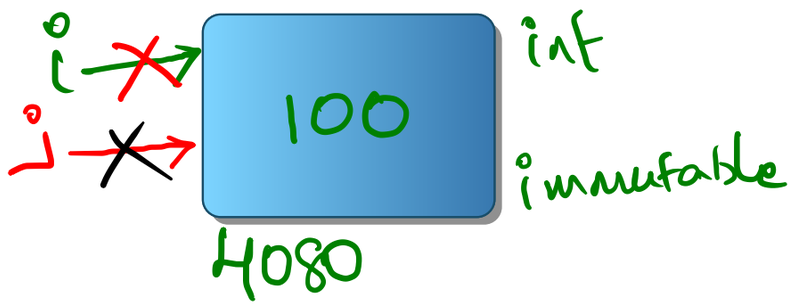


4

6

```
j = i
```

```
del i
```



4

string slicing

```
s = 'python'
    0 1 2 3 4 5
   -6-5-4-3-2-1
```

string[start_index : stop_index]

→ will be excluded

s[0:5] ⇒ pytho

s[1:4] ⇒ yth

s[2:3] ⇒ t

s[4:4] ⇒ empty string

string slicing

```
s = 'python'
    0 1 2 3 4 5
   -6-5-4-3-2-1
```

string[start_index : stop_index]

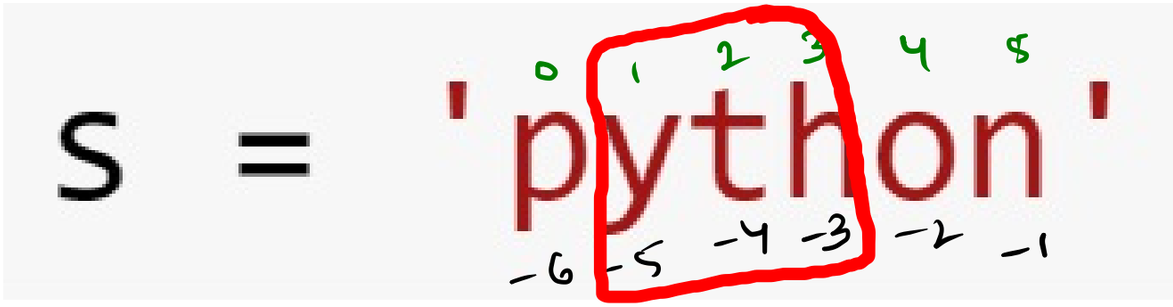
→ will be excluded

s[:]

default start index: 0

default stop index: length of the string

string slicing



string[start_index : stop_index]

→ will be excluded

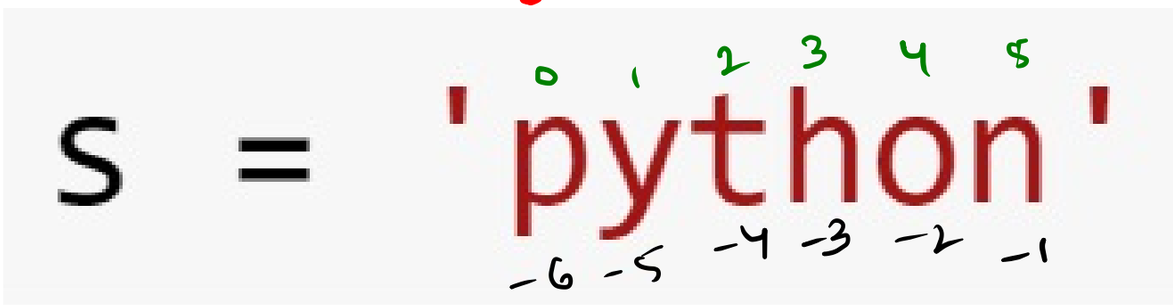
s[-5 : -2]

default start index: 0

default stop index: length of the string

default slicing director: towards right side

string slicing



String[start_index : stop_index]

→ will be excluded

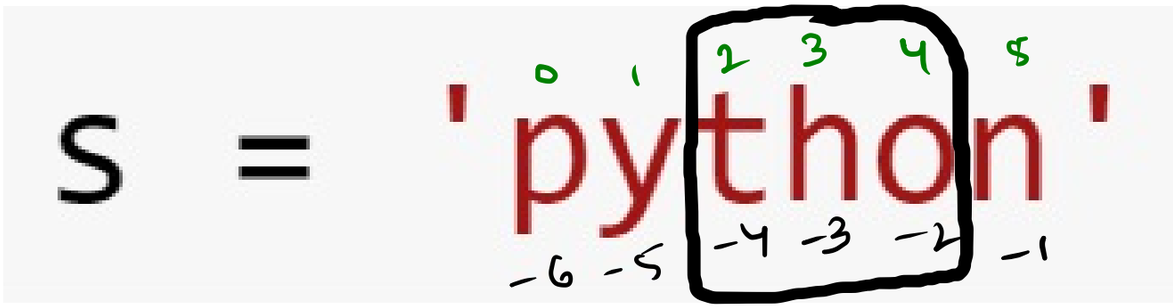
s[-1:-6] ⇒ empty

default start index: 0

default stop index: length of the string

default slicing director: towards right side

string slicing



string[start_index : stop_index]

→ will be excluded

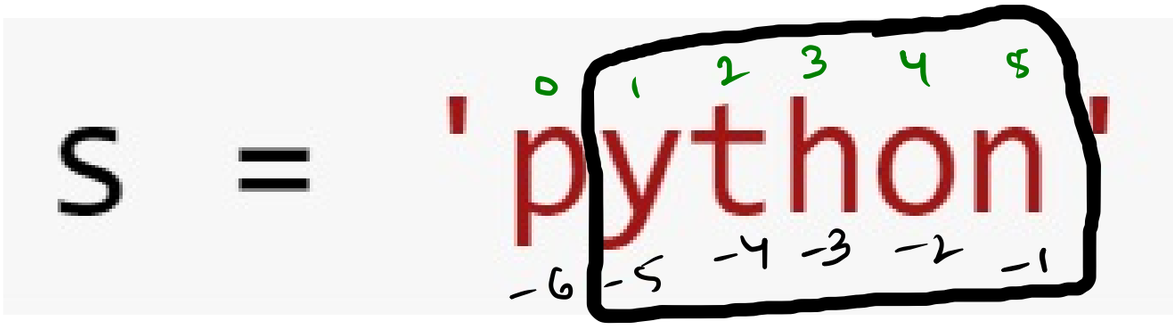
s[2:-1]

default start index: 0

default stop index: length of the string

default slicing director: towards right side

string slicing



string[start_index : stop_index]

→ will be excluded

s[-5:]

default start index: 0

default stop index: length of the string

default slicing director: towards right side