

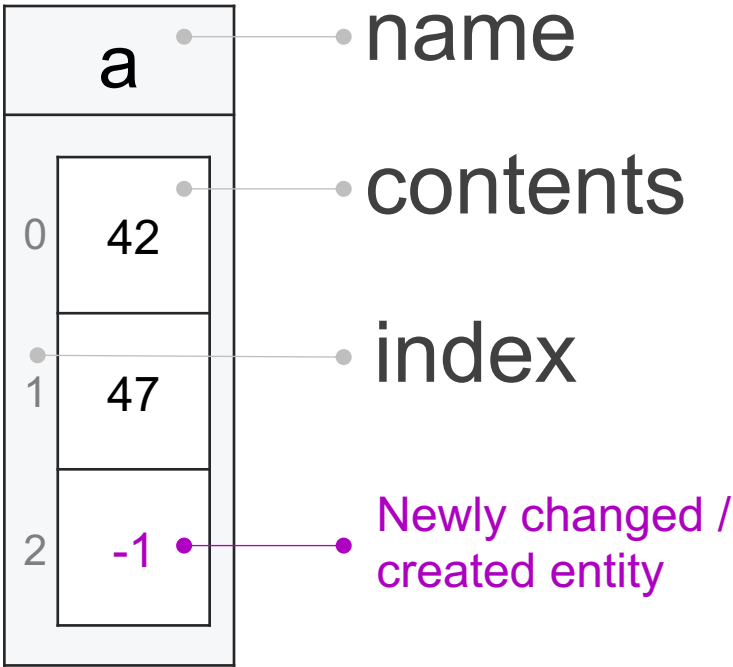
Execution Line

```
➡ a = np.array([42, 47, -1])
```

```
new = a[1]
```



Current segment of expression being evaluated



Notation conventions

CLASS 2 WEEK 2 – Section 30

“What is Subsetting”

→ `a = np.array([42, 47, -1])`
`new = a[1]`

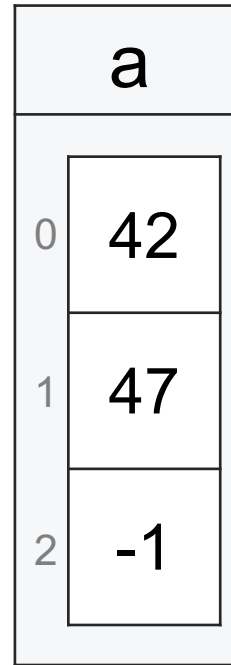
a	
0	42
1	47
2	-1

```
a = np.array([42, 47, -1])
```

```
→ new = a[1]
```

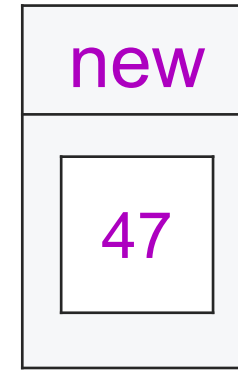
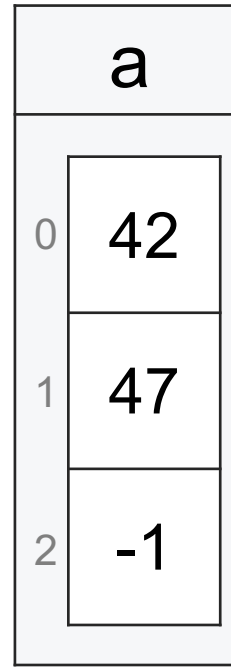


read→



```
a = np.array([42, 47, -1])
```

→ new = a[1]



CLASS 2 WEEK 2 – Section 30

“Subsetting with Booleans”

→ `a = np.array([42, 47, -1])`

`my_subset = np.array([True, False, True])`

`b = a[my_subset]`

a	
0	42
1	47
2	-1

```
a = np.array([42, 47, -1])
```

→

```
my_subset = np.array([True, False, True])
```

```
b = a[my_subset]
```

a	
0	42
1	47
2	-1

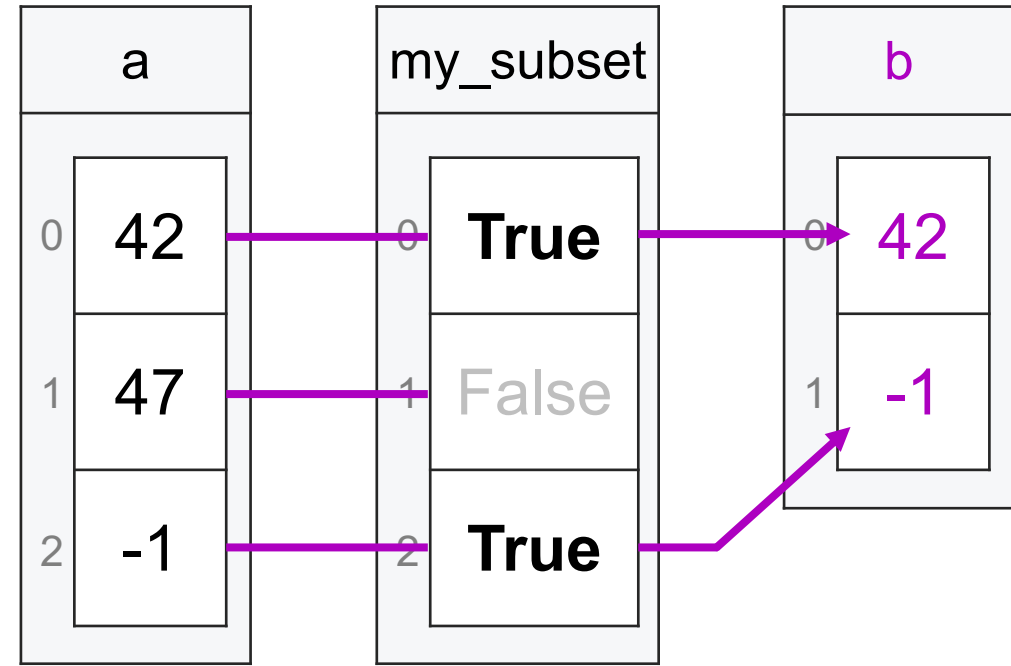
my_subset	
0	True
1	False
2	True


```
a = np.array([42, 47, -1])
```

```
my_subset = np.array([True, False, True])
```

→

```
b = a[my_subset]
```



```
a = np.array([42, 47, -1])
```

```
my_subset = np.array([True, False, True])
```

```
b = a[my_subset]
```

a	
0	42
1	47
2	-1

my_subset	
0	True
1	False
2	True

b	
0	42
1	-1