Lecture

Aliasing

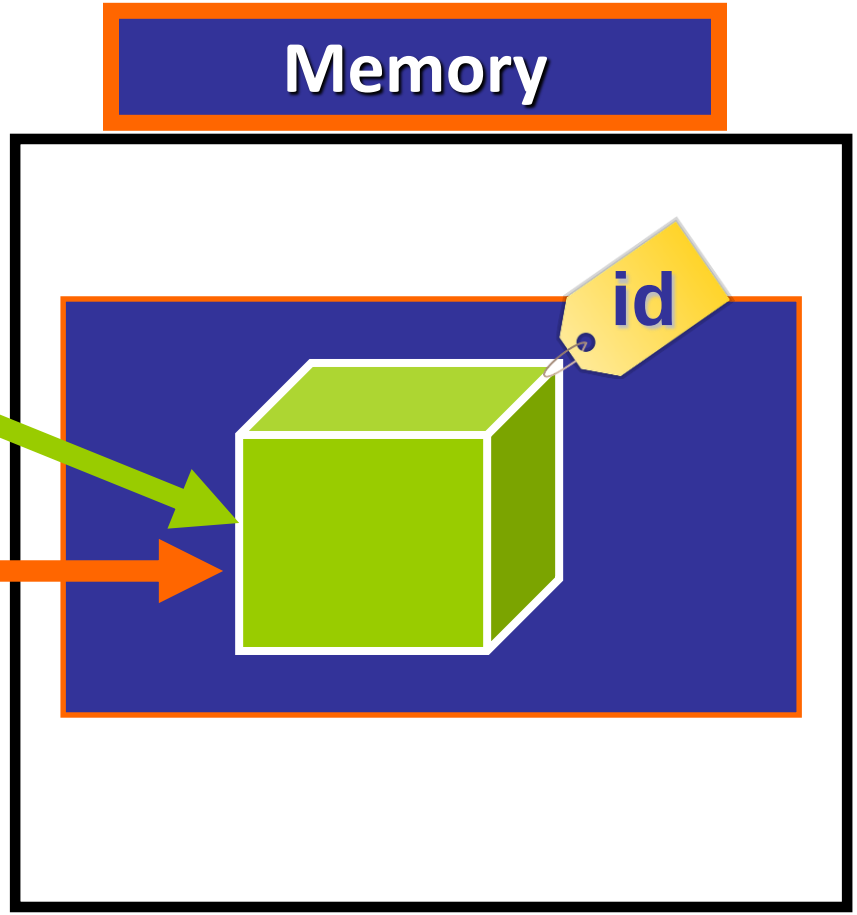
Aliasing

Same memory address
can be accessed
using different names

Aliasing

```
>>> a = [6, 2, 6, 2]
```

```
>>> b = a
```



Aliasing

```
>>> a = [6, 2, 6, 2]
>>> b = a
>>> id(a)
59005384
>>> id(b)
59005384
```

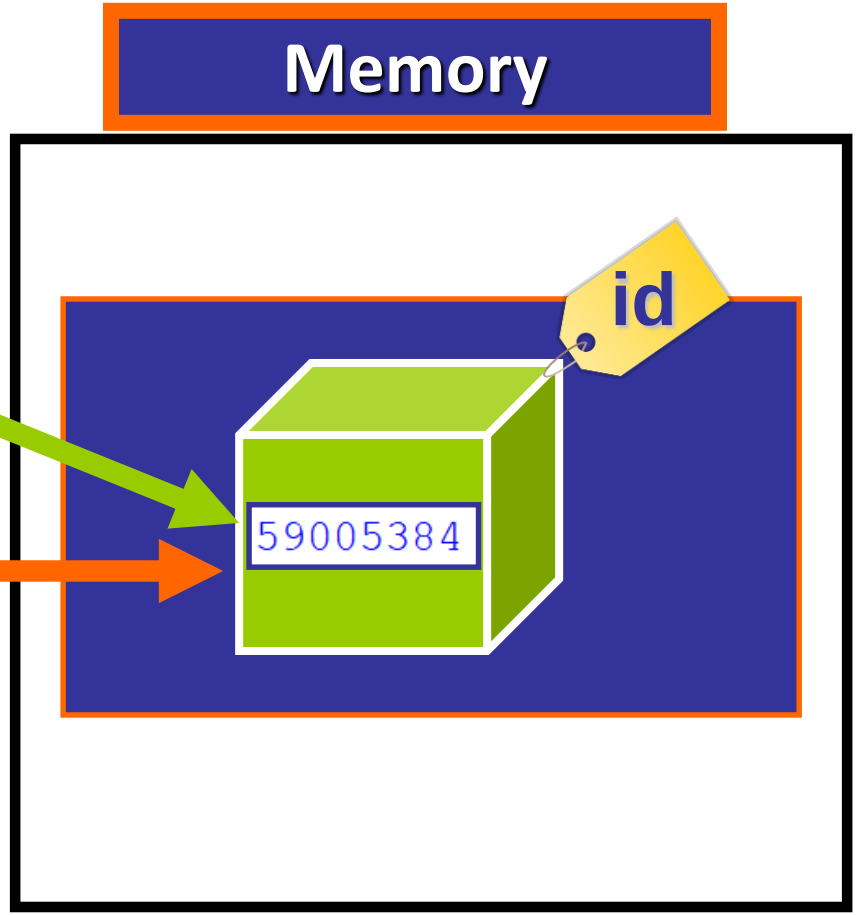
Aliasing

```
>>> a = [6, 2, 6, 2]
>>> b = a
>>> id(a)
59005384
>>> id(b)
59005384
```

Aliasing

```
>>> a = [6, 2, 6, 2]
```

```
>>> b = a
```



Aliases

Aliasing

≠ name , = object

Aliasing

```
>>> a = [6, 2, 6, 2]
>>> b = a
>>> c = b
>>> d = c
>>> id(a)
52768584
>>> id(b)
52768584
>>> id(c)
52768584
>>> id(d)
52768584
```

Aliasing

```
>>> a = [6, 2, 6, 2]
>>> b = a
>>> c = b
>>> d = c
>>> id(a)
52768584
>>> id(b)
52768584
>>> id(c)
52768584
>>> id(d)
52768584
```

Aliasing

```
>>> a = [6, 2, 6, 2]
>>> b = a
>>> c = b
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>>> id(a)
52768584
>>> id(b)
52768584
>>> id(c)
52768584
>>> id(d)
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```
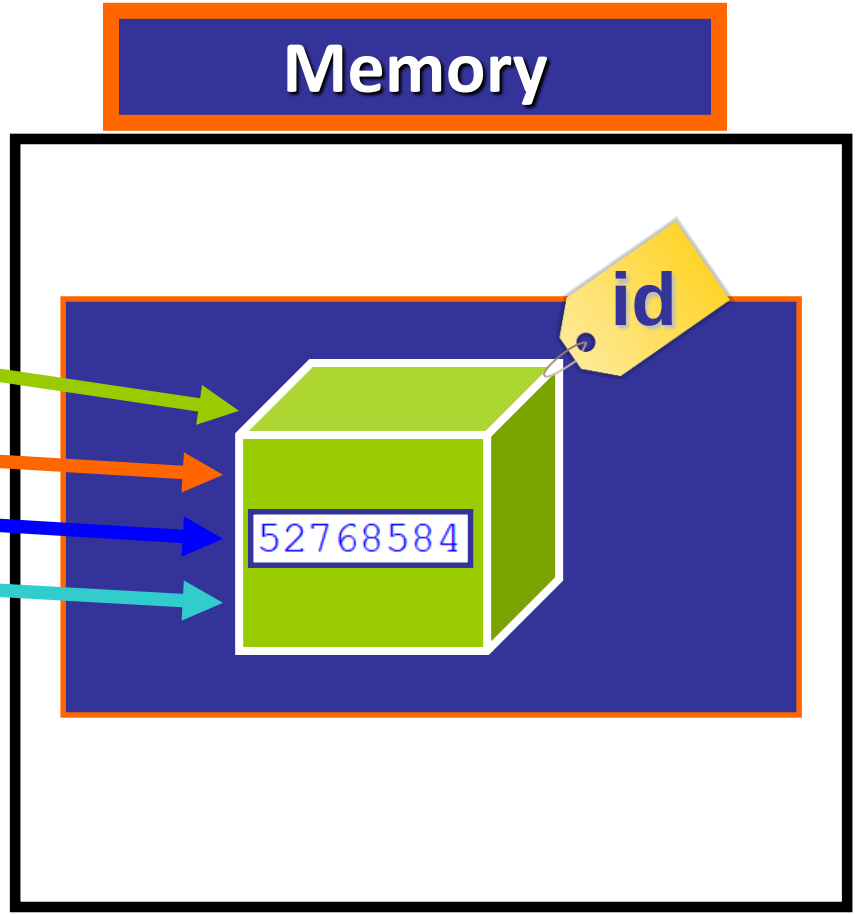
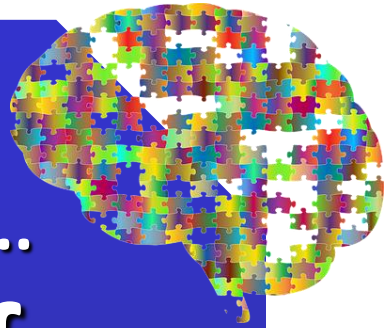

Aliasing

```
>>> a = [6, 2, 6, 2]
>>> b = a
>>> c = b
>>> d = c
```



Think about...

Risks of Aliasing



Now… An Example