Lecture

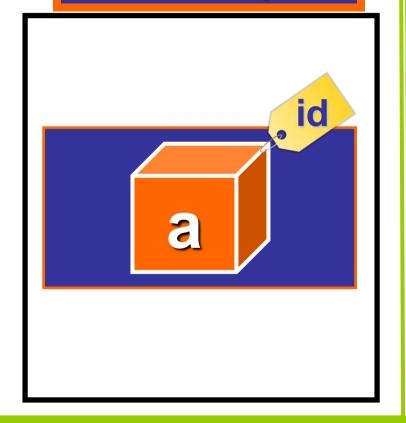


Objects are passed by reference



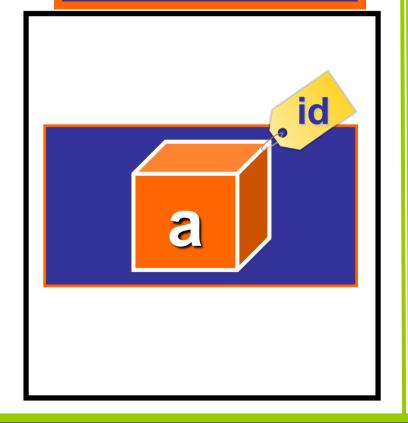
```
>>> a = [6, 2, 8, 2]
>>> print_data(a)
```

def print_data(Lst):
 for elem in lst:
 print(elem)





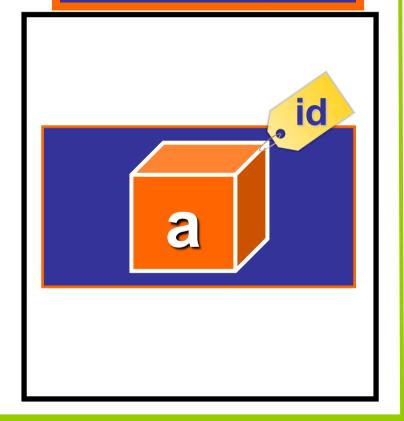
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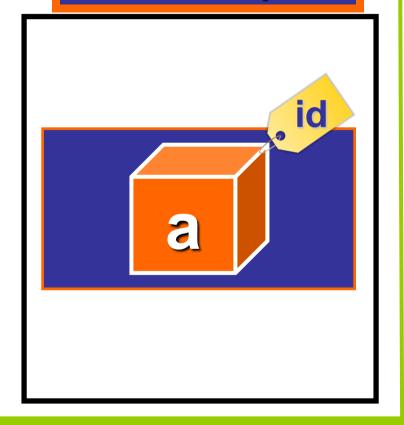


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>>> a = [6, 2, 8, 2]
>>> print_data(a)

Pass a reference

def print_data(Lst):
   for elem in lst:
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print(elem)



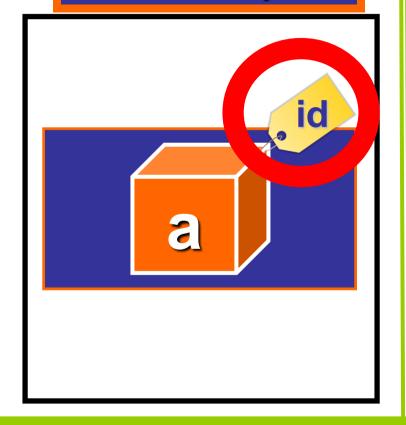


```
>>> a = [6, 2, 8, id
>>> print_data(a)

Pass a reference

def print_data(Lst):
   for elem in lst:
```

print(elem)





```
>>> def print data(lst):
          for elem in 1st:
                    print(elem)
>>> a = [6, 2, 8, 2]
>>> print_data(a)
```



```
>>> class Child:
    def init (self, name, age):
        self.name = name
        self.age = age
>>> def update age(lst):
    print("==== Updating Age ====")
    print("\n-> Initial list:")
    for child in 1st:
        print(f"Name: {child.name}; Age: {child.age}")
    # Update age
    for child in 1st:
        child.age += 1
    print("\n-> Final list:")
    for child in 1st:
        print(f"Name: {child.name}; Age: {child.age}")
>>> classroom = [Child("Nora", 10), Child("Daniel", 13), Child("Jack", 7)]
>>> update_age(classroom)
```



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   def init (self, name, age):
       self.name = name
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    def __init__(self, name, age):
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    print("\n-> Initial list:")
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        print(f"Name: {child.name}; Age: {child.age}")

# Update age
for child in lst:
        child.age += 1

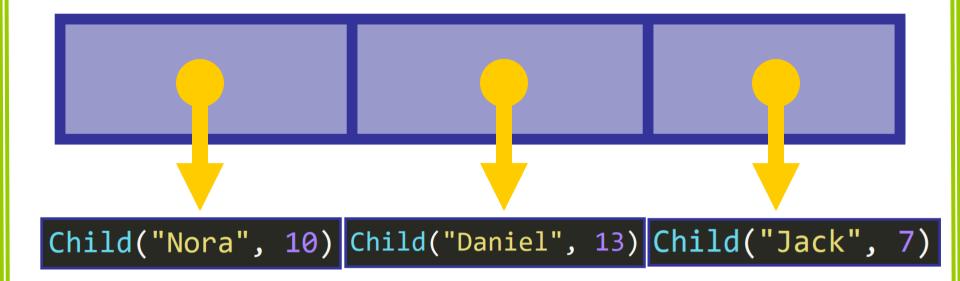
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>>> update_age(classroom)
```







```
for child in 1st:
               child.age += 1
Child("Nora", 10) Child("Daniel", 13) Child("Jack", 7)
```



Reference

```
Child("Nora", 10) Child("Daniel", 13) Child("Jack", 7)
```

Objects are passed by reference



