



COMPSCI 105 S1 2017 Principles of Computer Science

18 Linked List(2)



Exercise 1

- ▶ What is the output of the following program? (You should be able to draw the linked list after every line of code)

```
my_list = OrderedList()
my_list.add(30)
my_list.add(10)
my_list.add(80)
my_list.remove(30)
my_list.add(56)
print(my_list.size())
```

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Exercise 1

- ▶ What is the output of the following program? (You should be able to draw the linked list after every line of code)

```
my_list = OrderedList()
my_list.add(30)
my_list.add(10)
my_list.add(80)
my_list.remove(30)
my_list.add(56)
print(my_list.size())
```

Bella Eduardo Gill Raffaele Serena Tom
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Exercise 2

- ▶ What is the output of the following program?

```
name_list = ["Gill", "Tom", "Eduardo", "Raffaele", "Serena", "Bella"]
my_unorderedlist = OrderedList()
for name in name_list:
    my_unorderedlist.add(name)
for name in my_unorderedlist:
    print(name, end=" ")
```



Exercise 2

▶ What is the output of the following program?

```
name_list = ["Gill", "Tom", "Eduardo", "Raffaele", "Serena", "Bella"]
my_unorderedlist = OrderedDict()
for name in name_list:
    my_unorderedlist.add(name)
for name in my_unorderedlist:
    print(name, end=" ")
```

Bella Eduardo Gill Raffaele Serena Tom