

"""A to-do list that tracks the number of completed items in the list and overall.

```
>>> a, b = TodoList(), TodoList()
>>> a.add(Todo('Laundry'))
>>> t = Todo('Shopping')
>>> a.add(t)
>>> b.add(t)
>>> print(a)
Remaining: ['Laundry', 'Shopping'] ; Completed in list: 0 ; Completed overall: 0
>>> print(b)
Remaining: ['Shopping'] ; Completed in list: 0 ; Completed overall: 0
>>> t.complete()
>>> print(a)
Remaining: ['Laundry'] ; Completed in list: 1 ; Completed overall: 1
>>> print(b)
Remaining: [] ; Completed in list: 1 ; Completed overall: 1
>>> Todo('Homework').complete()
>>> print(a)
Remaining: ['Laundry'] ; Completed in list: 1 ; Completed overall: 2
"""
```

```
def __init__(self):
    self.items, self.complete = [], 0
def add(self, item):
    self.items.append(item)
```

```
    item.lists.append(self) ] put "parent" to do list on
def remove(self, item):      todo passed in as item
```

```
    self.complete += 1 ] keep track of completed items
```

```
    self.items.remove(item) ] remove from its items
```

```
def __str__(self):
    return ('Remaining: ' + str([t.task for t in self.items]) +
```

```
        ' ; Completed in list: ' + str(self.complete) +
```

```
        ' ; Completed overall: ' + str(Todo.done))
```

```
class Todo:
    done = 0
    def __init__(self, task):
        self.task, self.lists = task, []
    def complete(self):
```

```
        Todo.done += 1
```

```
        for t in self.lists:
            t.remove(self)
```

for the TodoList

figured out from
this call

total Todos done

done

get each
task