

# Part 3

[slide 12]

(again, you can copy the files from one of the previous parts, and start from there)  
(the following assumes python3)

## How to use util.py

- create file `server.py`:

```
import util
```

```
def add(x, y):  
    return x * y
```

```
server = util.SimpleServer(port=8000, verbose=True)  
server.register_function(add)  
server.wait()
```

- create file `client.py`:

```
import util
```

```
client = util.SimpleClient(port=8000, retry=True)  
print("available functions: ")  
print(client.list_functions())
```

```
print("2 + 3 = " + str(client.add(2, 3)))  
print("5 + 2 = " + str(client.add(5, 2)))
```

- in one terminal, start the client:

```
$ python client.py
```

By default, the client retries to connect to the server every second.

- in another terminal, start the server:

```
$ python server.py
```

You can now gracefully stop this terminal with CTRL+C.