Lab1 - TCP & UDP

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Key point

- 1. used **thread pool** to implement multi-thread operations.
- 2. used **strategy design pattern** to reduce maintenance difficulty, and clear the code.
- 3. used **regular expression** to handle command parsing.
- 4. used **TCP** for handle the commands, **UDP** for transferring files.
- 5. considered **robustness**.

How to run

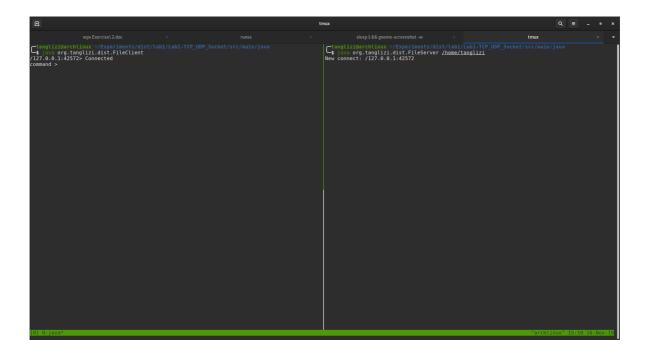
Deploy

```
cd Lab1-TCP_UDP_Socket/src/main/java
javac org/tanglizi/dist/FileServer.java org/tanglizi/dist/FileClient.java
```

Run

```
# run FileServer:
java org.tanglizi.dist.FileServer /home/
# run FileClient:
java org.tanglizi.dist.FileClient
```

And then your terminal will be like this:



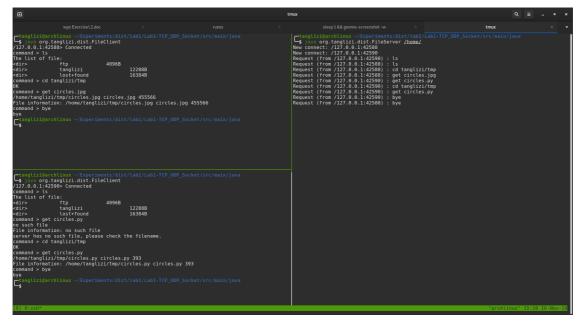
Demo screen shot

Left side is client, and right side is server.

• Single client

```
### Application | Application
```

• Two client



• Robustness test (pay attention to the error message)

