

## Exercise 4-2 (Network)

### Q4

Implement **EchoClient** that contains the following methods. As show in the following example, confirm its behavior by using **EchoServer** that is introduced in the lecture.

- **prepare**: connects to a server and obtains a stream.
- **sendMessage**: receives a string as argument and send it to the server, then receive the reply from the server and show it on the screen.
- **close**: closes the connection.

A example of Q44Main and result

```
public class Q44Main {
    public static void main(String[] args) {
        try {
            EchoClient client = new EchoClient();
            client.prepare();

            client.sendMessage("Hello Echo");
            client.sendMessage("Hello yahoo");
            client.close();
        } catchn (Exception e) {
            e.printStackTrace();
        }
    }
}

%java EchoServer
Server Start

%java Q44Main
Hello Echo
```

Hello yahoo

## Q5

Implement `TinyHttpServer` that always returns "Hello TinyHttpServer" to the client. This class only accepts **GET** method in HTTP. If this class receives other methods (e.g., POST), it will return "Invalid". Finally, confirm the behavior by using your browser by opening "http://localhost:8888/any/thing/you/like/". Note that, you have to add port number as "8888".