HW # 2

Simple TCP Server

Github Link: https://github.com/Tejas945/cmpe207/tree/master/Assignments/HW 2

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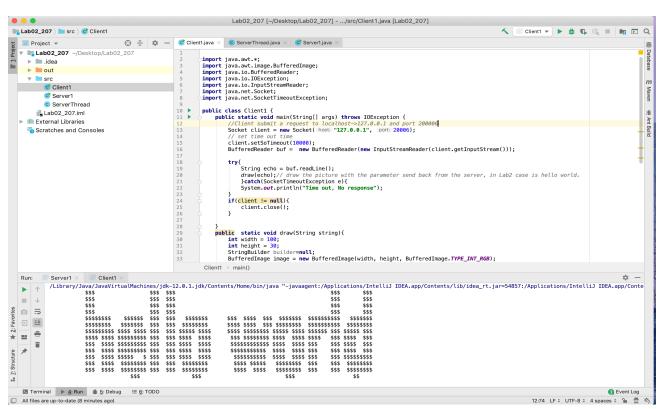


Fig1. Code executed on localhost(127.0.0.1) on port(2006).

Fig 2. Client which submits a request to connect to server to parse data sent by the server.

```
Server1.java
      import java.net.ServerSocket;
     import java.net.Socket;
     public class Server1 {
         public static void main(String[] args) throws Exception{
             ServerSocket server = new ServerSocket(20006);
             Socket client = null;
             boolean f = true;
             while(f){
                  client = server.accept();
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                  System.out.println("Connect with Server successfully");
                  new Thread(new ServerThread(client)).start();
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             server.close();
         }
     }
```

Fig3. Server1.java accepts the connection.

```
import java.io.PrintStream;
import java.net.Socket;

public class ServerThread implements Runnable {

private Socket client = null;
private StringBuilder test;
public ServerThread(Socket client) {

this.client = client;
}

coverride
public void run() {

try{

//get output stream that are going to send back to Client.

PrintStream out = new PrintStream(client.getOutputStream());
out.println("hello world");// Sending message to Client.

out.close();
client.close();
}
catch(Exception e) {
 e.printStackTrace();
}
}
}
```

Fig4. ServerThread sends "hello world" message to connecting client.