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MODUL 13 PEMROGRAMAN BERORIENTASI OBJEK

NETWORKING BAGIAN 1

1. Source Code

Github: <https://github.com/afrzl/Pemrograman-Berorientasi-Objek/tree/main/Week%2013/Praktikum/Latihan%20Server/src>

a. LatihanServer.java

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.io.PrintWriter;
import java.net.ServerSocket;
import java.net.Socket;
import java.util.logging.Level;
import java.util.logging.Logger;

public class LatihanServer {
    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        int portNumber = 4444;
        try {
            ServerSocket serverSocket = new
ServerSocket(portNumber);
            Socket clientSocket = serverSocket.accept();
            PrintWriter out = new
PrintWriter(clientSocket.getOutputStream(), true);
            BufferedReader in = new BufferedReader(new
InputStreamReader(clientSocket.getInputStream()));
        }
        {
            String msg;
            while(! (msg = in.readLine()).equalsIgnoreCase("exit"))
            {
                System.out.println("Server Receive: " + msg);
                out.println("Pesan Diterima");
            }
        } catch (IOException ex) {
            Logger.getLogger(LatihanServer.class.getName()).log(Level.SEVERE,
            null, ex);
        }
    }
}
```

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b. LatihanClient.java

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.io.PrintWriter;
import java.net.Socket;
import java.util.logging.Level;
import java.util.logging.Logger;

public class LatihanClient {
    public static void main(String args[]){
        String hostName = "localhost";
        int portNumber = 4444;
        try (
            Socket echoSocket = new Socket(hostName,
portNumber);
            PrintWriter out = new
PrintWriter(echoSocket.getOutputStream(),true);
            BufferedReader in = new BufferedReader(new
InputStreamReader(echoSocket.getInputStream()));
            BufferedReader stdIn = new BufferedReader(new
InputStreamReader(System.in));
        )
        {
            String msg;
            while((msg = stdIn.readLine()) != null)
            {
                out.println(msg);
                if(msg.equalsIgnoreCase("exit")) break;
                System.out.println("Client receive: "+
in.readLine());
            }
        } catch (IOException ex) {
            Logger.getLogger(LatihanClient.class.getName()).log(Level.SEVERE,
null, ex);
        }
    }
}
```

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2. Output

a. LatihanClient

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Pr  
Files\JetBrains\IntelliJ IDEA Community Edition 2024.1.1\bin  
Tingkat 2\Pemrograman Berorientasi Objek\Week 13\Praktikum\L  
Halo  
Client receive: Pesan Diterima  
Apa kabar?  
Client receive: Pesan Diterima  
exit
```

b. LatihanServer

```
"C:\Program Files\Java\jdk-21\bin\java.exe"  
Files\JetBrains\IntelliJ IDEA Community Ed  
Tingkat 2\Pemrograman Berorientasi Objek\W  
Server Receive: Halo  
Server Receive: Apa kabar?  
  
Process finished with exit code 0
```