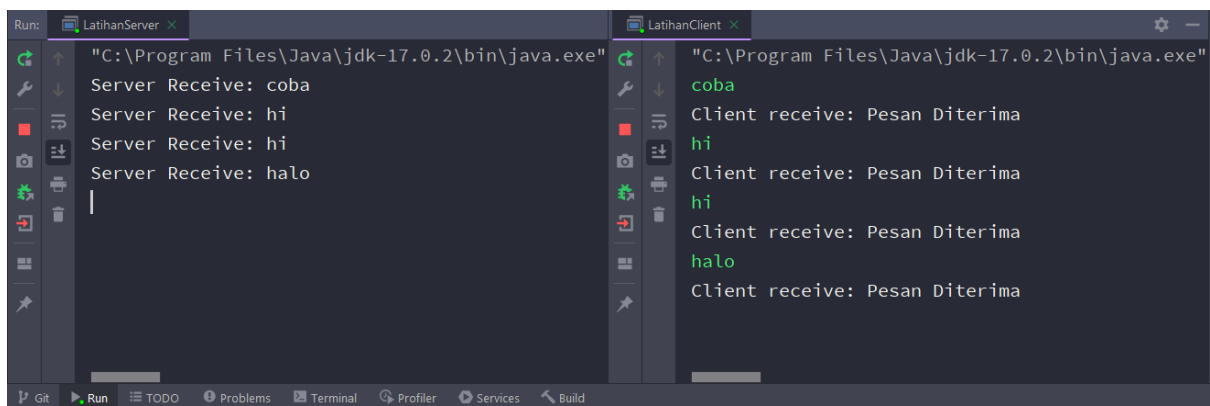


Praktikum Pemrograman Berbasis Objek

Tanggal Praktikum: Tuesday, 31 May 2022



The image shows two side-by-side terminal windows from an IDE. The left window, titled 'LatihanServer', shows the server's output: 'Server Receive: coba', 'Server Receive: hi', 'Server Receive: hi', and 'Server Receive: halo'. The right window, titled 'LatihanClient', shows the client's output: 'coba', 'Client receive: Pesan Diterima', 'hi', 'Client receive: Pesan Diterima', 'hi', 'Client receive: Pesan Diterima', 'halo', and 'Client receive: Pesan Diterima'. Both windows show the command prompt path 'C:\Program Files\Java\jdk-17.0.2\bin\java.exe'.

```
Run: LatihanServer x "C:\Program Files\Java\jdk-17.0.2\bin\java.exe"
Server Receive: coba
Server Receive: hi
Server Receive: hi
Server Receive: halo
|

Run: LatihanClient x "C:\Program Files\Java\jdk-17.0.2\bin\java.exe"
coba
Client receive: Pesan Diterima
hi
Client receive: Pesan Diterima
hi
Client receive: Pesan Diterima
halo
Client receive: Pesan Diterima
```

```
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);
        }
    }
}
```

```
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 {
    public static void main(String[] args) {
        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("Pesn Diterima");
                }
            }
        } catch (IOException ex) {
            Logger.getLogger(LatihanServer.class.getName()).log(Level.SEVERE, null, ex);
        }
    }
}
```