

Mata Kuliah : Pemrograman Jaringan

Nama Anggota :

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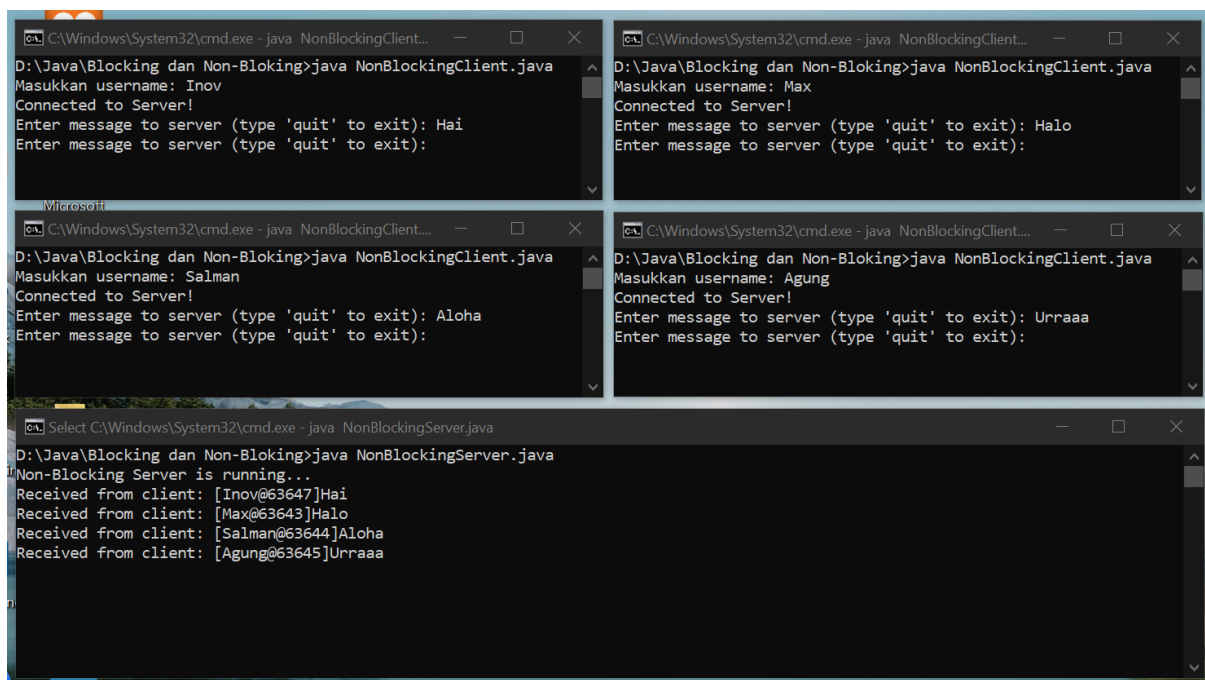
Tugas Rumah:

Implementasikan dua program jaringan sederhana menggunakan bahasa pemrograman Java, masing-masing menggunakan model blocking dan non-blocking dalam pemrograman socket. Program tersebut harus dirancang untuk menangani koneksi antara server dan beberapa klien. Gunakan konsep pengiriman dan penerimaan pesan antara server dan klien.

Link github: <https://github.com/m-maksum/BlockingAndNonBlocking>

Tampilan:

Non-Blocking – Socking Programming



```
C:\Windows\System32\cmd.exe - java NonBlockingClient...
D:\Java\Blocking dan Non-Bloking>java NonBlockingClient.java
Masukkan username: Inov
Connected to Server!
Enter message to server (type 'quit' to exit): Hai
Enter message to server (type 'quit' to exit):

C:\Windows\System32\cmd.exe - java NonBlockingClient...
D:\Java\Blocking dan Non-Bloking>java NonBlockingClient.java
Masukkan username: Max
Connected to Server!
Enter message to server (type 'quit' to exit): Halo
Enter message to server (type 'quit' to exit):

C:\Windows\System32\cmd.exe - java NonBlockingClient...
D:\Java\Blocking dan Non-Bloking>java NonBlockingClient.java
Masukkan username: Salman
Connected to Server!
Enter message to server (type 'quit' to exit): Aloha
Enter message to server (type 'quit' to exit):

C:\Windows\System32\cmd.exe - java NonBlockingClient...
D:\Java\Blocking dan Non-Bloking>java NonBlockingClient.java
Masukkan username: Agung
Connected to Server!
Enter message to server (type 'quit' to exit): Urraaa
Enter message to server (type 'quit' to exit):

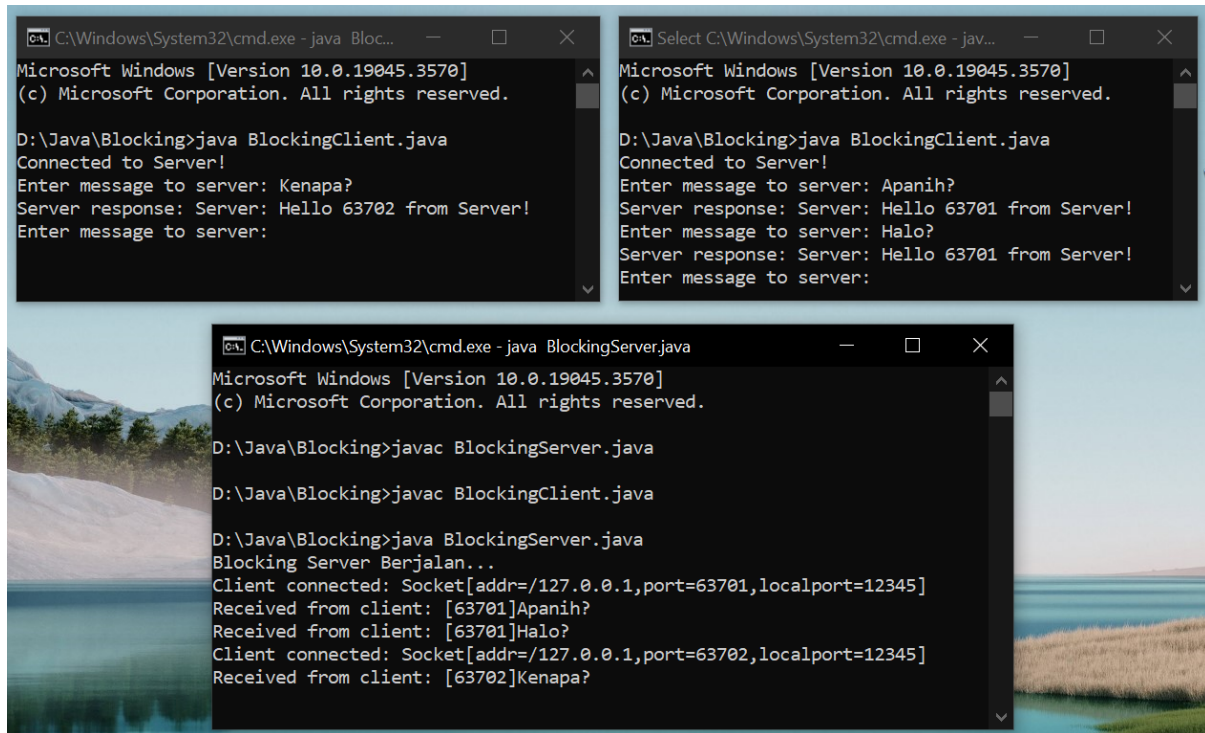
C:\Windows\System32\cmd.exe - java NonBlockingServer.java
D:\Java\Blocking dan Non-Bloking>java NonBlockingServer.java
Non-Blocking Server is running...
Received from client: [Inov@63647]Hai
Received from client: [Max@63643]Halo
Received from client: [Salman@63644]Aloha
Received from client: [Agung@63645]Urraaa
```

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Blocking – Socket Programming



```
C:\Windows\System32\cmd.exe - java Bloc...
Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

D:\Java\Blocking>java BlockingClient.java
Connected to Server!
Enter message to server: Kenapa?
Server response: Server: Hello 63702 from Server!
Enter message to server:

Select C:\Windows\System32\cmd.exe - jav...
Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

D:\Java\Blocking>java BlockingClient.java
Connected to Server!
Enter message to server: Apanih?
Server response: Server: Hello 63701 from Server!
Enter message to server: Halo?
Server response: Server: Hello 63701 from Server!
Enter message to server:

C:\Windows\System32\cmd.exe - java BlockingServer.java
Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

D:\Java\Blocking>javac BlockingServer.java
D:\Java\Blocking>javac BlockingClient.java
D:\Java\Blocking>java BlockingServer.java
Blocking Server Berjalan...
Client connected: Socket[addr=/127.0.0.1,port=63701,localport=12345]
Received from client: [63701]Apanih?
Received from client: [63701]Halo?
Client connected: Socket[addr=/127.0.0.1,port=63702,localport=12345]
Received from client: [63702]Kenapa?
```