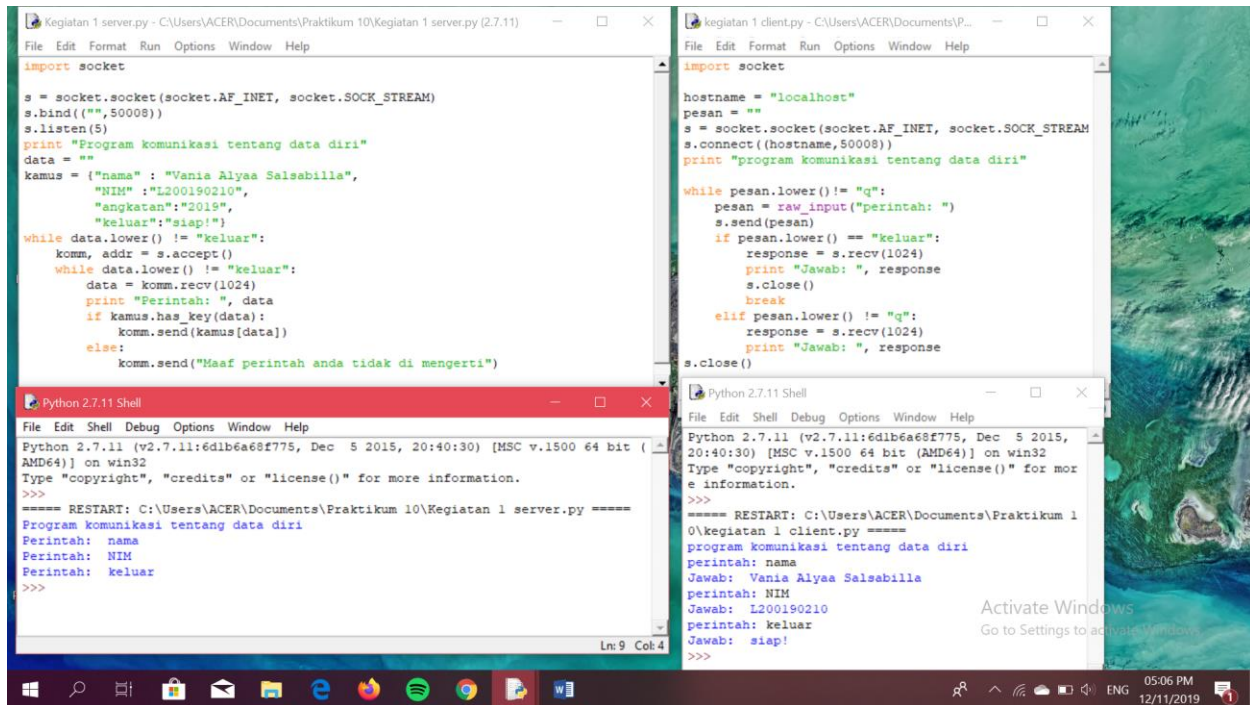


KEGIATAN 1



```
File Edit Format Run Options Window Help
import socket

s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind(('', 50008))
s.listen(5)
print "Program komunikasi tentang data diri"
data = ""
kamus = {"nama" : "Vania Alyaa Salsabilla",
        "NIM" : "L200190210",
        "angkatan" : "2015",
        "keluar" : "siap!"}

while data.lower() != "keluar":
    komm, addr = s.accept()
    while data.lower() != "keluar":
        data = komm.recv(1024)
        print "Perintah: ", data
        if kamus.has_key(data):
            komm.send(kamus[data])
        else:
            komm.send("Maaf perintah anda tidak di mengerti")

Python 2.7.11 Shell
File Edit Shell Debug Options Window Help
Python 2.7.11 (v2.7.11:6d1b6a68f775, Dec 5 2015, 20:40:30) [MSC v.1500 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\ACER\Documents\Praktikum 10\Kegiatan 1 server.py =====
Program komunikasi tentang data diri
Perintah: nama
Perintah: NIM
Perintah: keluar
>>>
```

```
File Edit Format Run Options Window Help
import socket

hostname = "localhost"
pesan = ""
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect((hostname, 50008))
print "program komunikasi tentang data diri"

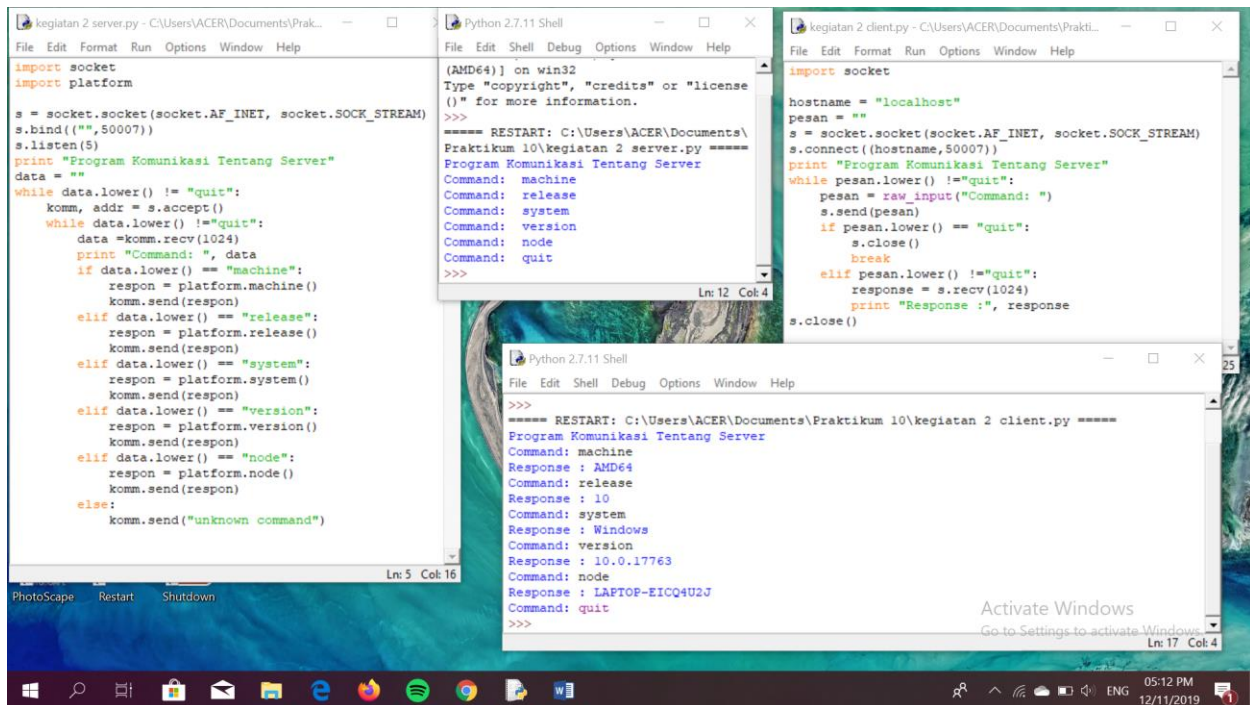
while pesan.lower() != "q":
    pesan = raw_input("perintah: ")
    s.send(pesan)
    if pesan.lower() == "keluar":
        response = s.recv(1024)
        print "Jawab: ", response
        s.close()
        break
    elif pesan.lower() != "q":
        response = s.recv(1024)
        print "Jawab: ", response
s.close()

Python 2.7.11 Shell
File Edit Shell Debug Options Window Help
Python 2.7.11 (v2.7.11:6d1b6a68f775, Dec 5 2015, 20:40:30) [MSC v.1500 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\ACER\Documents\Praktikum 10\kegiatan 1 client.py =====
program komunikasi tentang data diri
perintah: nama
Jawab: Vania Alyaa Salsabilla
perintah: NIM
Jawab: L200190210
perintah: keluar
Jawab: siap!
>>>
```

Activate Windows
Go to Settings to activate Windows

05:06 PM
12/11/2019

KEGIATAN 2



```
File Edit Format Run Options Window Help
import socket
import platform

s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind(('', 50007))
s.listen(5)
print "Program Komunikasi Tentang Server"
data = ""
while data.lower() != "quit":
    komm, addr = s.accept()
    while data.lower() != "quit":
        data = komm.recv(1024)
        print "Command: ", data
        if data.lower() == "machine":
            respon = platform.machine()
            komm.send(respon)
        elif data.lower() == "release":
            respon = platform.release()
            komm.send(respon)
        elif data.lower() == "system":
            respon = platform.system()
            komm.send(respon)
        elif data.lower() == "version":
            respon = platform.version()
            komm.send(respon)
        elif data.lower() == "node":
            respon = platform.node()
            komm.send(respon)
        else:
            komm.send("unknown command")

Python 2.7.11 Shell
File Edit Shell Debug Options Window Help
Python 2.7.11 (v2.7.11:6d1b6a68f775, Dec 5 2015, 20:40:30) [MSC v.1500 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\ACER\Documents\Praktikum 10\kegiatan 2 server.py =====
Program Komunikasi Tentang Server
Command: machine
Command: release
Command: system
Command: version
Command: node
Command: quit
>>>
```

```
File Edit Format Run Options Window Help
import socket

hostname = "localhost"
pesan = ""
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect((hostname, 50007))
print "Program Komunikasi Tentang Server"
while pesan.lower() != "quit":
    pesan = raw_input("Command: ")
    s.send(pesan)
    if pesan.lower() == "quit":
        s.close()
        break
    elif pesan.lower() != "quit":
        response = s.recv(1024)
        print "Response : ", response
s.close()

Python 2.7.11 Shell
File Edit Shell Debug Options Window Help
Python 2.7.11 (v2.7.11:6d1b6a68f775, Dec 5 2015, 20:40:30) [MSC v.1500 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\ACER\Documents\Praktikum 10\kegiatan 2 client.py =====
Program Komunikasi Tentang Server
Command: machine
Response : AMD64
Command: release
Response : 10
Command: system
Response : Windows
Command: version
Response : 10.0.17763
Command: node
Response : LAPTOP-EICQ4U2J
Command: quit
>>>
```

Activate Windows
Go to Settings to activate Windows

05:12 PM
12/11/2019

KEGIATAN 3

SERVER

```
kegiatan 3 server.py - C:\Users\ACER\Documents\Praktikum 10\kegiatan 3 server.py (2.7.11)
File Edit Format Run Options Window Help

import socket

s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind(('', 50004))
s.listen(5)
print "Server Siap"
perintah = ""
p=0
l=0
t=0
while perintah != "keluar":
    komm, addr = s.accept()
    while perintah != "keluar":
        item = komm.recv(1024).lower().split(" ")
        perintah = item[0]
        if perintah == "keluar":
            komm.send("done")
            s.close()
            break
        print "pesan: ", perintah
        if len(item)==2:
            if perintah == "panjang":
                p=int(item[1])
                komm.send("panjang disimpan")
            elif perintah == "lebar":
                l=int(item[1])
                komm.send("lebar disimpan")
            elif perintah == "tinggi":
                t=int(item[1])
                komm.send("tinggi disimpan")
            else:
                komm.send("Pesan tidak diketahui")
        elif perintah == "hitung":
            L=float(p*l*t)
            response = "Luas Balok dengan panjang () lebar () tinggi () adalah {}".format(p,l,t,L)
            komm.send(response)
        else:
            komm.send("Pesan tidak diketahui")
```

```
Python 2.7.11 Shell
File Edit Shell Debug Options Window Help
===== RESTART: C:\Users\ACER\Documents\Praktikum 10\kegiatan 3 server.py =====
Server Siap
pesan: panjang
pesan: lebar
pesan: tinggi
pesan: hitung
Ln: 14 Col: 0

Kegiatan 3 client.py - C:\Users\ACER\Documents\Praktikum 10\Kegiatan 3 client.py (2.7.11)
File Edit Format Run Options Window Help

import socket

hostname = "localhost"
pesan = ""
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect((hostname, 50004))
print "Menghitung Luas Balok"

while pesan.lower() != "keluar":
    pesan = raw_input("Pesan: ")
    s.send(pesan)
    if pesan.lower() == "keluar":
        response = s.recv(1024)
        print "Response: -"
        s.close()
        break
    elif pesan.lower() != "keluar":
        response = s.recv(1024)
        print "Response: ", response
    s.close()
Ln: 6 Col: 26

Python 2.7.11 (v2.7.11:6614e41775, Dec 5 2015, 20:19:30) [MSC v.1500 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\ACER\Documents\Praktikum 10\Kegiatan 3 client.py =====
Menghitung Luas Balok
Pesan: panjang=5
Response: panjang disimpan
Pesan: lebar=4
Response: lebar disimpan
Pesan: tinggi=6
Response: tinggi disimpan
Pesan: hitung
Response: Luas Balok dengan panjang 5 lebar 4 tinggi 6 adalah 120
Pesan:
Ln: 14 Col: 7
```