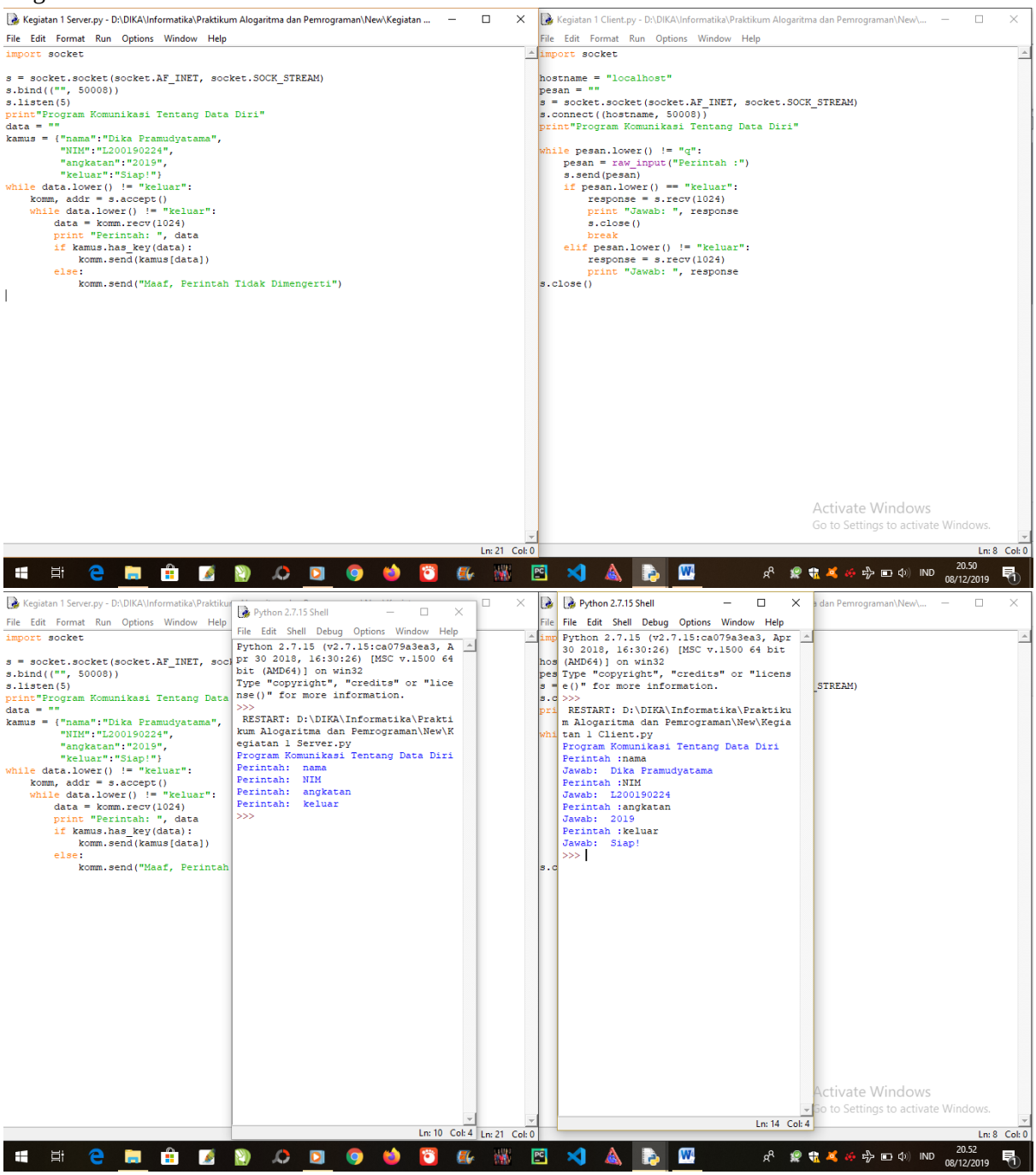
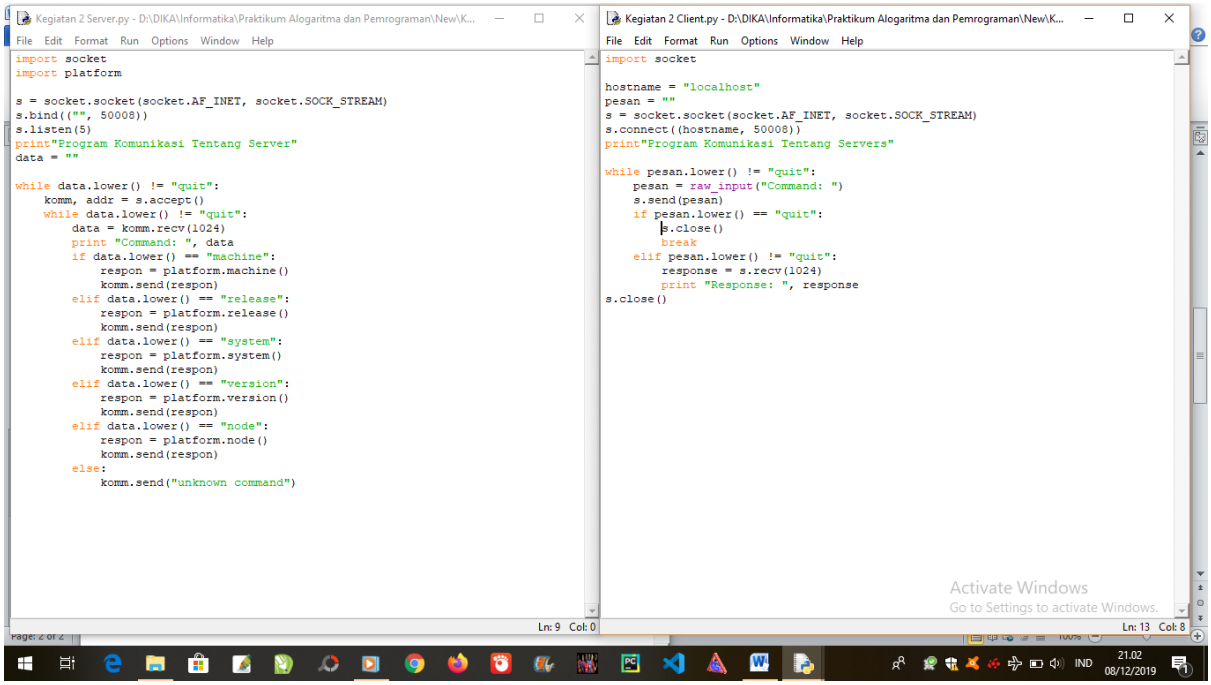
Nama : Dika Pramudyatama
NIM : L200190224

Praktikum Alogaritma dan Pemrograman
Modul 10

Kegiatan 1. Data diri dari server



Kegiatan 2. Informasi tentang server



Kegiatan 2 Server.py - D:\DIKA\Informatika\Praktikum Alogaritma dan Pemrograman\New\K...

File Edit Format Run Options Window Help

```
import socket
import platform

s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind(("", 50008))
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")
```

Ln: 9 Col: 0

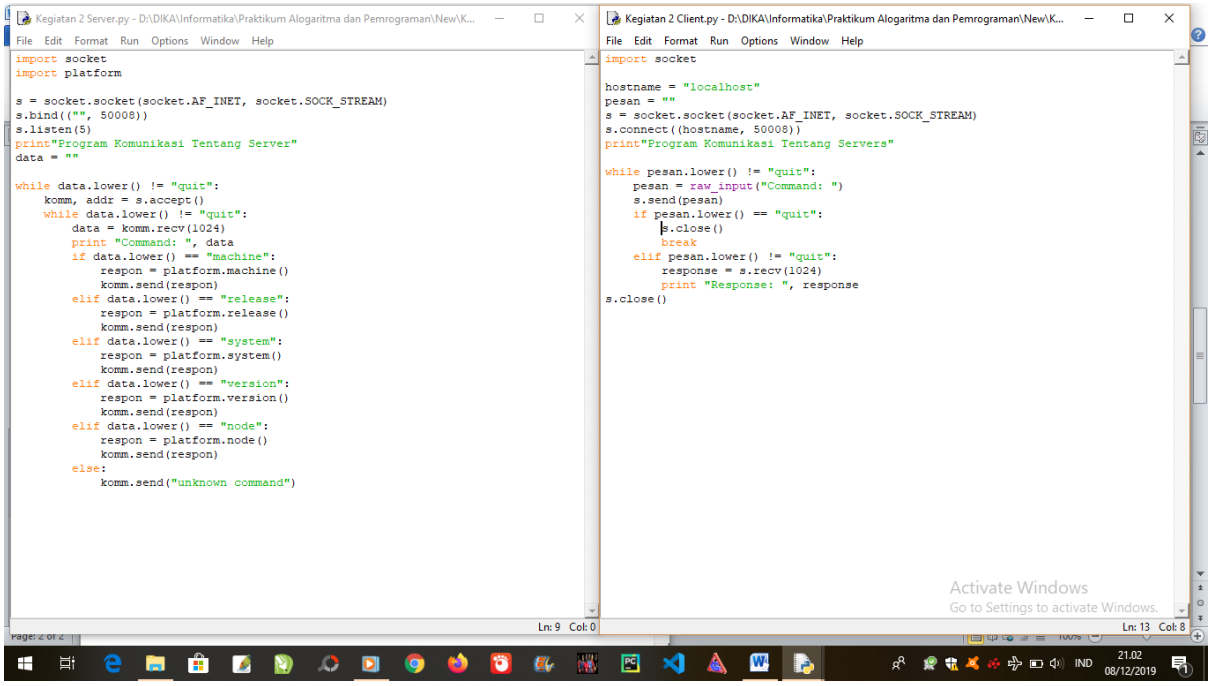
Kegiatan 2 Client.py - D:\DIKA\Informatika\Praktikum Alogaritma dan Pemrograman\New\K...

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 Servers"

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()
```

Activate Windows
Go to Settings to activate Windows.

Ln: 13 Col: 8



Kegiatan 2 Server.py - D:\DIKA\Informatika\Praktikum Alogaritma dan Pemrograman\New\K...

File Edit Format Run Options Window Help

```
import socket
import platform

s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind(("", 50008))
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")
```

Ln: 9 Col: 0

Kegiatan 2 Client.py - D:\DIKA\Informatika\Praktikum Alogaritma dan Pemrograman\New\K...

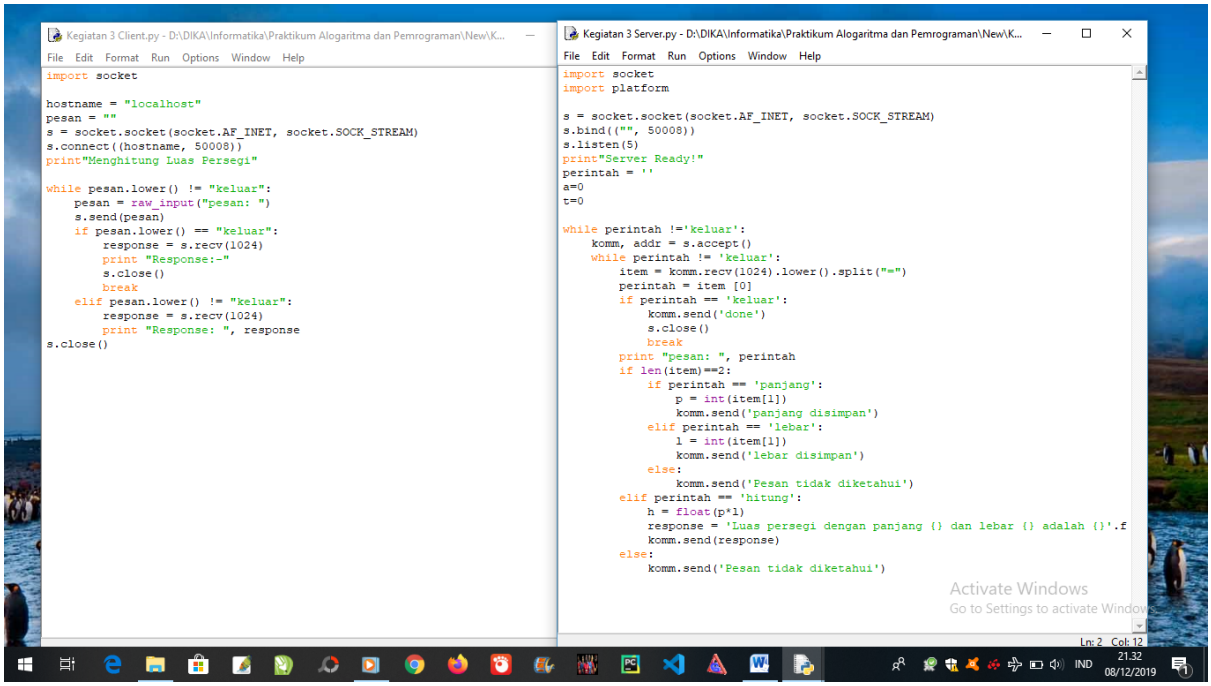
File Edit Format Run Options Window Help

```
import socket

hostname = "localhost"
pesan = ""
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect((hostname, 50008))
print"Program Komunikasi Tentang Servers"

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()
```

Activate Windows
Go to Settings to activate Windows.

Ln: 13 Col: 8

Kegiatan 3. Menghitung luas bangun geometri



Kegiatan 3 Client.py - D:\DIKA\Informatika\Praktikum Alogaritma dan Pemrograman\New\K...

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"Menghitung Luas Persegi"

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()
```

Kegiatan 3 Server.py - D:\DIKA\Informatika\Praktikum Alogaritma dan Pemrograman\New\K...

File Edit Format Run Options Window Help

```
import socket
import platform

s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind(("", 50008))
s.listen(5)
print"Server Ready!"
perintah = ''
a=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')
            else:
                komm.send('Pesan tidak diketahui')
        elif perintah == 'hitung':
            h = float(p*l)
            response = 'Luas persegi dengan panjang {} dan lebar {} adalah {}'.f
            komm.send(response)
        else:
            komm.send('Pesan tidak diketahui')
```

Activate Windows
Go to Settings to activate Windows.

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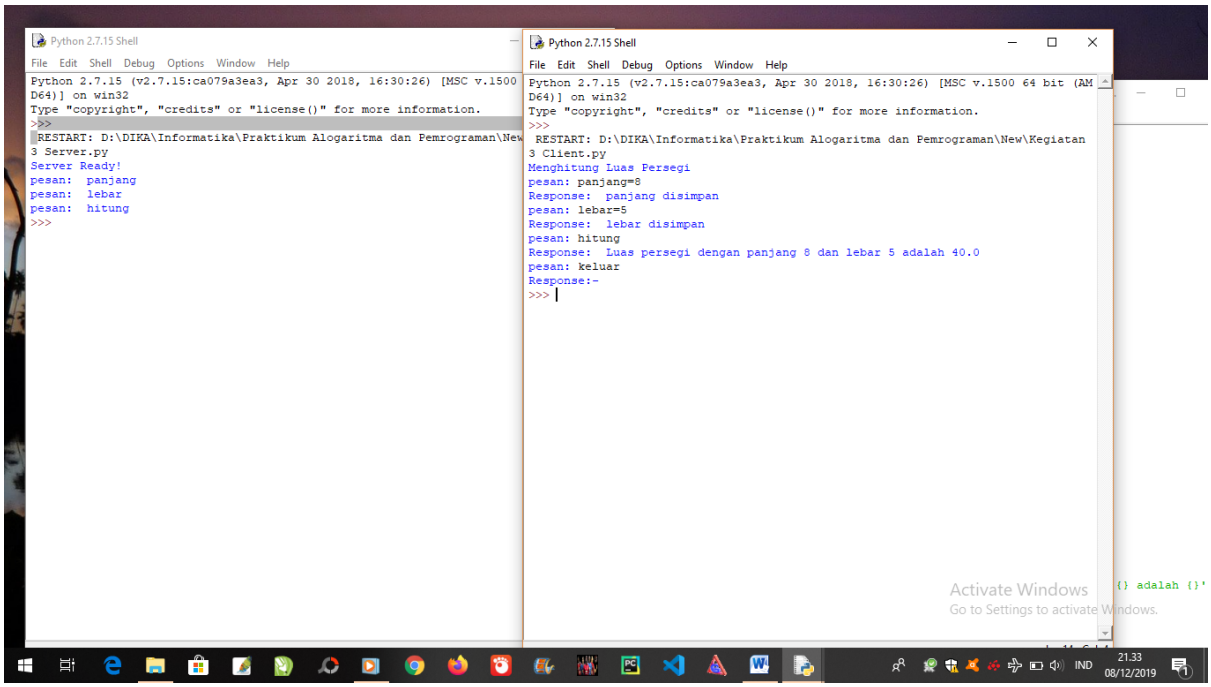

Python 2.7.15 Shell

File Edit Shell Debug Options Window Help

```
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500
D64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART: D:\DIKA\Informatika\Praktikum Alogaritma dan Pemrograman\New
3 Server.py
Server Ready!
pesan:  panjang
pesan:  lebar
pesan:  hitung
>>>
```

Python 2.7.15 Shell

File Edit Shell Debug Options Window Help

```
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM
D64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
 RESTART: D:\DIKA\Informatika\Praktikum Alogaritma dan Pemrograman\New\Kegiatan
3 Client.py
Menghitung Luas Persegi
pesan: panjang=8
Response:  panjang disimpan
pesan: lebar=5
Response:  lebar disimpan
pesan: hitung
Response:  Luas persegi dengan panjang 8 dan lebar 5 adalah 40.0
pesan: keluar
Response:-
>>>
```

Activate Windows
Go to Settings to activate Windows.

{} adalah {}'

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