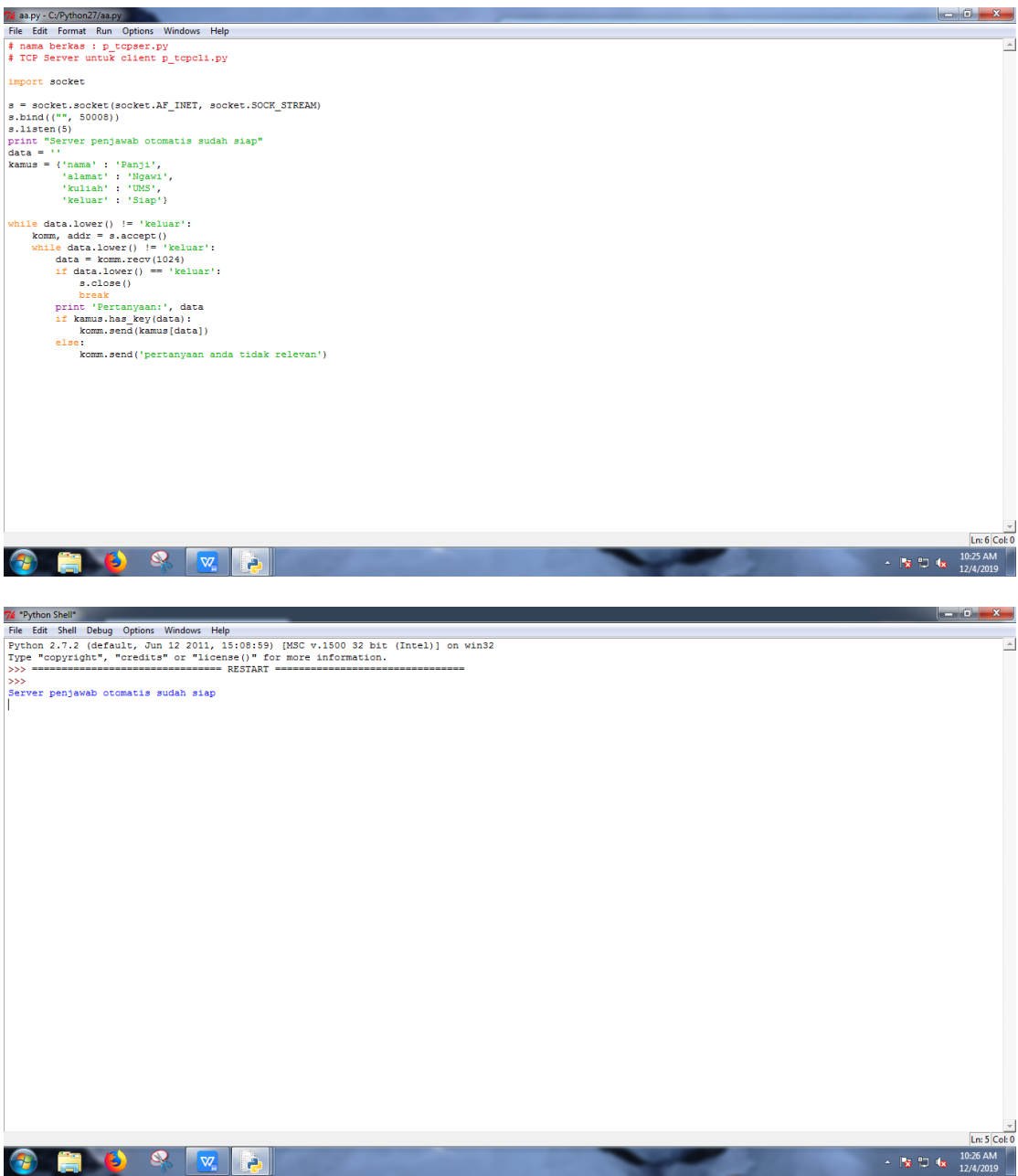


# PRAKTIKUM ALGORITMA DAN PEMROGRAMAN

## MODUL 10

### 1. KEGIATAN 1



```
bb.py - C:/Python27/bb.py
File Edit Format Run Options Windows Help
# nama berkas : p_topoli.py
# Client TCP untuk server p_topser.py

import socket

hostname = 'localhost'
pesan = ''
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect((hostname, 5000))
print "Mesin penjawab otomatis sudah siap"

while pesan.lower() != 'keluar':
    pesan = raw_input('Pertanyaan: ')
    s.send(pesan)
    if pesan.lower() != 'keluar':
        response = s.recv(1024)
        print 'Jawaban:', response
s.close()
```

Ln: 9 Col: 26  
10:26 AM  
12/4/2019

```
Python Shell
File Edit Shell Debug Options Windows Help
Python 2.7.2 (default, Jun 12 2011, 15:08:59) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
>>>
Mesin penjawab otomatis sudah siap
Pertanyaan: nama
Jawaban: Panji
Pertanyaan: kuliah
Jawaban: UMS
Pertanyaan: |
```

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10:27 AM  
12/4/2019

2. KEGIATAN 2

```
zz.py - C:/Python27/zz.py
File Edit Format Run Options Windows 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")
    |
```

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12:46 AM  
12/11/2019

```
Python Shell
File Edit Shell Debug Options Windows Help
Python 2.7 (x27:82525, Jul 4 2010, 09:01:59) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
Program Komunikasi Tentang Server
Command: machine
Command: system
Command: linux
Command: unknown command
|
```

```
yy.py - C:/Python27/yy.py
File Edit Format Run Options Windows 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 Shell
File Edit Shell Debug Options Windows Help
Python 2.7 (x27:82525, Jul 4 2010, 09:01:59) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
Program Komunikasi Tentang Server
Command: machine
Response : x86
Command: system
Response : Windows
Command: linux
Response : unknown command
Command: unknown command
Response : unknown command
Command: |
```

3. KEGIATAN 3

```
xx.py - C:\Python27\xx.py
File Edit Format Run Options Windows Help
import socket
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind(('', 50002))
s.listen(5)
print "Server siap"
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 == 'alas':
                a = int(item[1])
                komm.send('alas disimpan')
            elif perintah == 'tinggi':
                t = int(item[1])
                komm.send('tinggi disimpan')
            else:
                komm.send('Pesan tidak diketahui')
        elif perintah == 'hitung':
            L = float(a*t)
            response = 'Luas jajargenjang dengan alas {} tinggi {} adalah {}'.format(a,t,L)
            komm.send(response)
        else:
            komm.send('Pesan tidak diketahui')
```

```
"Python Shell"
File Edit Shell Debug Options Windows Help
Python 2.7 (r27:82525, Jul 4 2010, 09:01:59) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
Server siap
pesan: 10
pesan: parameter 1
pesan: alas
pesan: 5
pesan: 2
pesan: a
pesan: 0
pesan: 2
pesan: t
pesan: 2
|
```

```
ww.py - C:\Python27\ww.py
File Edit Format Run Options Windows Help
import socket

hostname = 'localhost'
pesan = ''
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect((hostname, 50002))
print "Menghitung Luas Jajar Genjang"
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()
```

```
Python Shell
File Edit Shell Debug Options Windows Help
Python 2.7 (x27:82525, Jul 4 2010, 09:01:59) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ----- RESTART -----
>>>
Menghitung Luas Jajar Genjang
pesan 10
Response: Pesan tidak diketahui
pesan parameter 1 = 10
Response: Pesan tidak diketahui
pesan alas
Response: Pesan tidak diketahui
pesan 5
Response: Pesan tidak diketahui
pesan 2
Response: Pesan tidak diketahui
pesan a
Response: Pesan tidak diketahui
pesan 0
Response: Pesan tidak diketahui
pesan 2
Response: Pesan tidak diketahui
pesan2
Response: Pesan tidak diketahui
pesan
Response: Pesan tidak diketahui
pesan
```