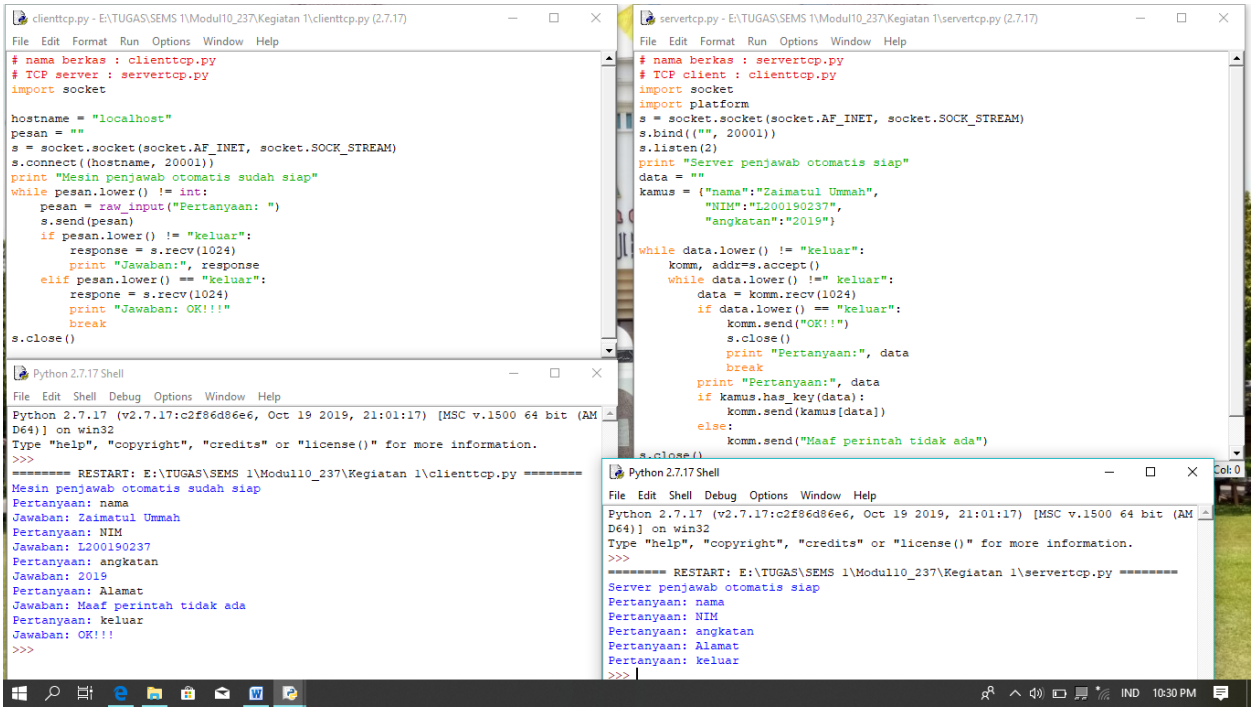
PRAKTIKUM ALGORITMA DAN PEMROGRAMAN

PRAKTIKUM 10: TOPIK LANJUTAN (KOMUNIKASI JARINGAN)

Nama : Zaimatul Ummah

NIM : L200190237

KEGIATAN 1



clienttcp.py - E:\TUGAS\SEMS 1\Modul10_237\Kegiatan 1\clienttcp.py (2.7.17)

```
# nama berkas : clienttcp.py
# TCP server : servertcp.py
import socket

hostname = "localhost"
pesan = ""
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect((hostname, 20001))
print "Mesin penjawab otomatis sudah siap"
while pesan.lower() != int:
    pesan = raw_input("Pertanyaan: ")
    s.send(pesan)
    if pesan.lower() != "keluar":
        response = s.recv(1024)
        print "Jawaban:", response
    elif pesan.lower() == "keluar":
        respone = s.recv(1024)
        print "Jawaban: OK!!!"
        break
s.close()
```

servertcp.py - E:\TUGAS\SEMS 1\Modul10_237\Kegiatan 1\servertcp.py (2.7.17)

```
# nama berkas : servertcp.py
# TCP client : clienttcp.py
import socket
import platform
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind(("", 20001))
s.listen(2)
print "Server penjawab otomatis siap"
data = ""
kamus = {"nama":"Zaimatul Ummah",
         "NIM":"L200190237",
         "angkatan":"2019"}

while data.lower() != "keluar":
    komm, addr=s.accept()
    while data.lower() !=" keluar":
        data = komm.recv(1024)
        if data.lower() == "keluar":
            komm.send("OK!!")
            s.close()
            print "Pertanyaan:", data
            break
        print "Pertanyaan:", data
        if kamus.has_key(data):
            komm.send(kamus[data])
        else:
            komm.send("Maaf perintah tidak ada")
s.close()
```

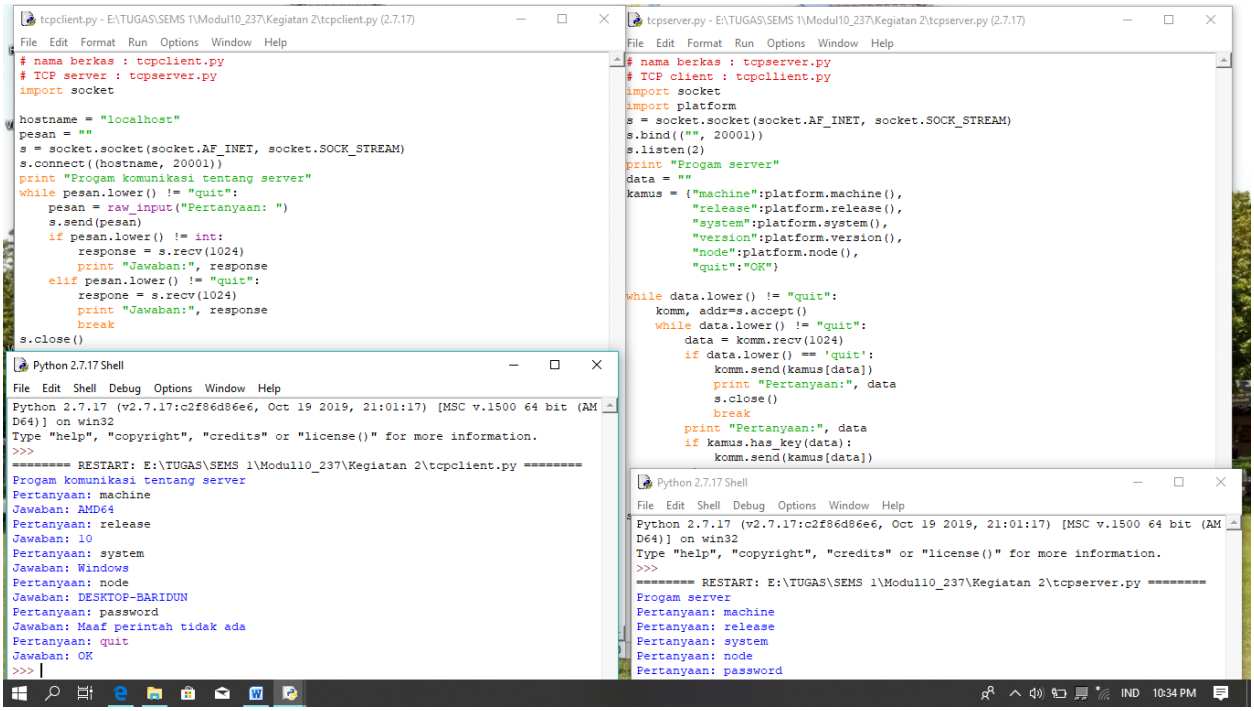
Python 2.7.17 Shell

```
Python 2.7.17 (v2.7.17:c2f86d86e6, Oct 19 2019, 21:01:17) [MSC v.1500 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======== RESTART: E:\TUGAS\SEMS 1\Modul10_237\Kegiatan 1\clienttcp.py ========
Mesin penjawab otomatis sudah siap
Pertanyaan: nama
Jawaban: Zaimatul Ummah
Pertanyaan: NIM
Jawaban: L200190237
Pertanyaan: angkatan
Jawaban: 2019
Pertanyaan: Alamat
Jawaban: Maaf perintah tidak ada
Pertanyaan: keluar
Jawaban: OK!!!
>>>
```

Python 2.7.17 Shell

```
Python 2.7.17 (v2.7.17:c2f86d86e6, Oct 19 2019, 21:01:17) [MSC v.1500 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======== RESTART: E:\TUGAS\SEMS 1\Modul10_237\Kegiatan 1\servertcp.py ========
Server penjawab otomatis siap
Pertanyaan: nama
Pertanyaan: NIM
Pertanyaan: angkatan
Pertanyaan: Alamat
Pertanyaan: keluar
>>>
```

KEGIATAN 2



KEGIATAN 3