

## Kegiatan1. Data Diri dari server.

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servertcp1.py - C:\Users\ASUS\Downloads\servertcp1.py (2.7.17)
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# nama berkas : servertcp.py
# TCP client : clienttcp.py
import socket
import platform
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind(('', 20006))
s.listen(5)
print "Program server"
data = {}
kamus = {"machine":platform.machine(),
         "release":platform.release(),
         "system":platform.system(),
         "version":platform.version(),
         "node":platform.node(),
         "quit":"OK"}

while data.lower() != "quit":
    kcomm, addr=s.accept()
    while data.lower() != "quit":
        data = kcomm.recv(1024)
        if data.lower() == "quit":
            kcomm.send(kamus[data])
            print "pertanyaan:", data
            kcomm.close()
        print "pertanyaan", data
        if kamus.has_key(data):
            kcomm.send(kamus[data])
        else:
            kcomm.send("maaf perintah tidak ada")
    s.close()

Python 2.7.17 Shell
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Python 2.7.17 (v2.7.17:22f8d866, Oct 19 2019, 21:01:17) [MSC v.1500 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\ASUS\Downloads\clienttcp1.py =====
program komunikasi tentang server
command:machine
Response: AMD64
command:release
Response: AMD64
command:system
Response: AMD64
command:
===== RESTART: C:\Users\ASUS\Downloads\clienttcp1.py =====
program komunikasi tentang server
command:machine
Response: AMD64
command:release
Response: 10
command:system
Response: Windows
command:versio
Response: maaf perintah tidak ada
command:version
Response: 10.0.18362
command:node
Response: DESKTOP-S8B0NJD
command:quit
Response: OK
>>>

clienttcp1.py - C:\Users\ASUS\Downloads\clienttcp1.py (2.7.17)
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# nama berkas : clienttcp1.py
# top server : servertcp1.py
import socket

hostname = 'localhost'
pesan = ''
s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.connect((hostname, 20006))
print "program komunikasi tentang server"
while pesan.lower() != "quit":
    pesan = raw_input ("Command:")
    s.send(pesan)
    if pesan.lower() != "int":
        response = s.recv(1024)
        print "Response:", response
    elif pesan.lower() != "quit":
        response = s.recv(1024)
        print "Response:", response
        break
    s.close()

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Ln: 9 Col: 0
Ln: 5 Col: 0
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Python 2.7.17 Shell
File Edit Shell Debug Options Window Help
Python 2.7.17 (v2.7.17:c2f86db66, Oct 19 2019, 21:01:17) [MSC v.1500 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\ASUS\Downloads\servertop1.py =====
Program server
pertanyaan machine
pertanyaan release
pertanyaan system
pertanyaan versio
pertanyaan version
pertanyaan node
pertanyaan: quit

Traceback (most recent call last):
  File "C:\Users\ASUS\Downloads\servertop1.py", line 24, in <module>
    a.close()
NameError: name 'a' is not defined
>>>
===== RESTART: C:\Users\ASUS\Downloads\servertop1.py =====
Program server
pertanyaan machine
pertanyaan release
pertanyaan system
pertanyaan versio
pertanyaan version
pertanyaan node
pertanyaan: quit

Traceback (most recent call last):
  File "C:\Users\ASUS\Downloads\servertop1.py", line 24, in <module>
    a.close()
NameError: name 'a' is not defined
>>>
```

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