part 2 > server.py > ...

```python
import socket
DNS_TABLE = {
    'www.google.com': '192.168.1.1',
    'www.facebook.com': '192.168.1.2',
    'www.yahoo.com': '192.168.1.3'

}
server_socket = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
server_socket.bind(('localhost', 53))
print('DNS server is listening...')
while True:
    data, address = server_socket.recvfrom(1024)
    domain_name = data.decode()
    if domain_name in DNS_TABLE:
        ip_address = DNS_TABLE[domain_name]
    else:
        ip_address = 'Not Found'
    server_socket.sendto(ip_address.encode(), address)

```

part 2 > client.py > ...

```python
import socket
SERVER_IP_ADDRESS = 'localhost'
DOMAIN_NAME = 'www.nomu.com'
client_socket = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
client_socket.sendto(DOMAIN_NAME.encode(), (SERVER_IP_ADDRESS, 53))
response, _ = client_socket.recvfrom(1024)
ip_address = response.decode()
print(f"Alamat IP dari {DOMAIN_NAME} adalah {ip_address}")
```

```
ASUS@DESKTOP-6VKKARO MINGW64 /d/D '/labti/pjar/part 2
$ python server.py
DNS server is listening...
```

```
ASUS@DESKTOP-6VKKARO MINGW64 /d/D '/labti/pjar/part 2
$ python client.py
Alamat IP dari www.facebook.com adalah 192.168.1.2

ASUS@DESKTOP-6VKKARO MINGW64 /d/D '/labti/pjar/part 2
$ python client.py
Alamat IP dari www.google.com adalah 192.168.1.1

ASUS@DESKTOP-6VKKARO MINGW64 /d/D '/labti/pjar/part 2
$ python client.py
Alamat IP dari www.nomu.com adalah Not Found
```