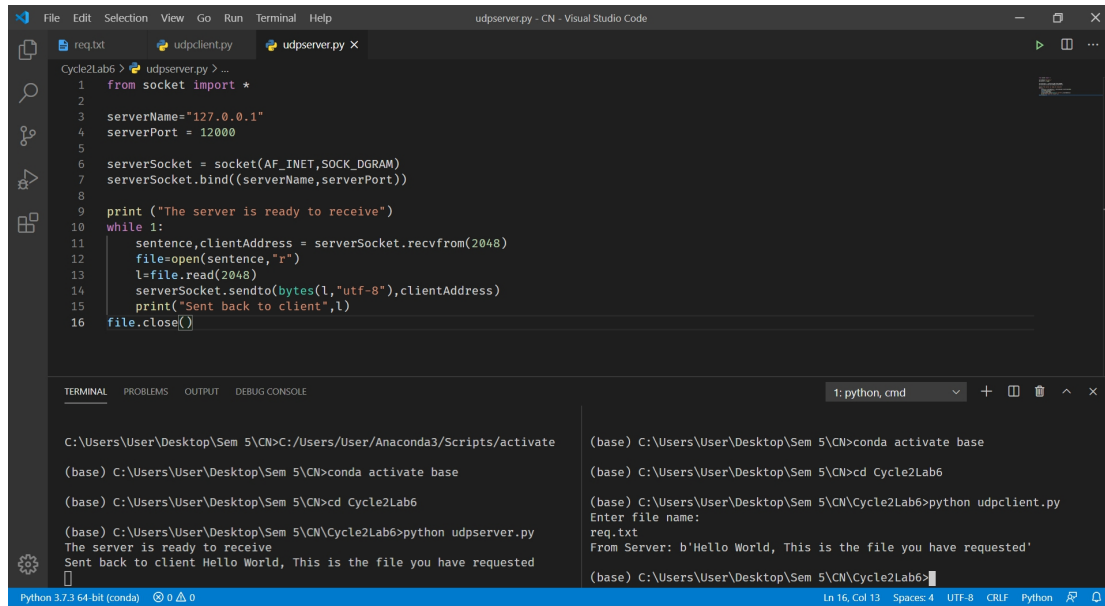


Output



The image shows a Visual Studio Code editor window with a Python file named `udpserver.py` open. The code is a UDP server that listens on port 12000 and responds to client requests by reading a file named `req.txt` and sending its contents back to the client. The terminal window at the bottom shows the execution of the script, including the activation of the base environment, the execution of the script, and the successful transmission of the file contents to the client.

```
1 from socket import *
2
3 serverName="127.0.0.1"
4 serverPort = 12000
5
6 serverSocket = socket(AF_INET,SOCK_DGRAM)
7 serverSocket.bind((serverName,serverPort))
8
9 print ("The server is ready to receive")
10 while 1:
11     sentence,clientAddress = serverSocket.recvfrom(2048)
12     file=open(sentence,"r")
13     l=file.read(2048)
14     serverSocket.sendto(bytes(l,"utf-8"),clientAddress)
15     print("Sent back to client",l)
16 file.close()
```

TERMINAL

```
C:\Users\User\Desktop\Sem 5\CN>C:/Users/User/Anaconda3/Scripts/activate
(base) C:\Users\User\Desktop\Sem 5\CN>conda activate base
(base) C:\Users\User\Desktop\Sem 5\CN>cd Cycle2Lab6
(base) C:\Users\User\Desktop\Sem 5\CN>python udpserver.py
The server is ready to receive
Sent back to client Hello World, This is the file you have requested
(base) C:\Users\User\Desktop\Sem 5\CN>conda activate base
(base) C:\Users\User\Desktop\Sem 5\CN>cd Cycle2Lab6
(base) C:\Users\User\Desktop\Sem 5\CN>python udpclient.py
Enter file name:
req.txt
From Server: b'Hello World, This is the file you have requested'
(base) C:\Users\User\Desktop\Sem 5\CN>
```

Python 3.7.3 64-bit (conda) 0 0 0 Ln 16, Col 13 Spaces: 4 UTF-8 CRLF Python