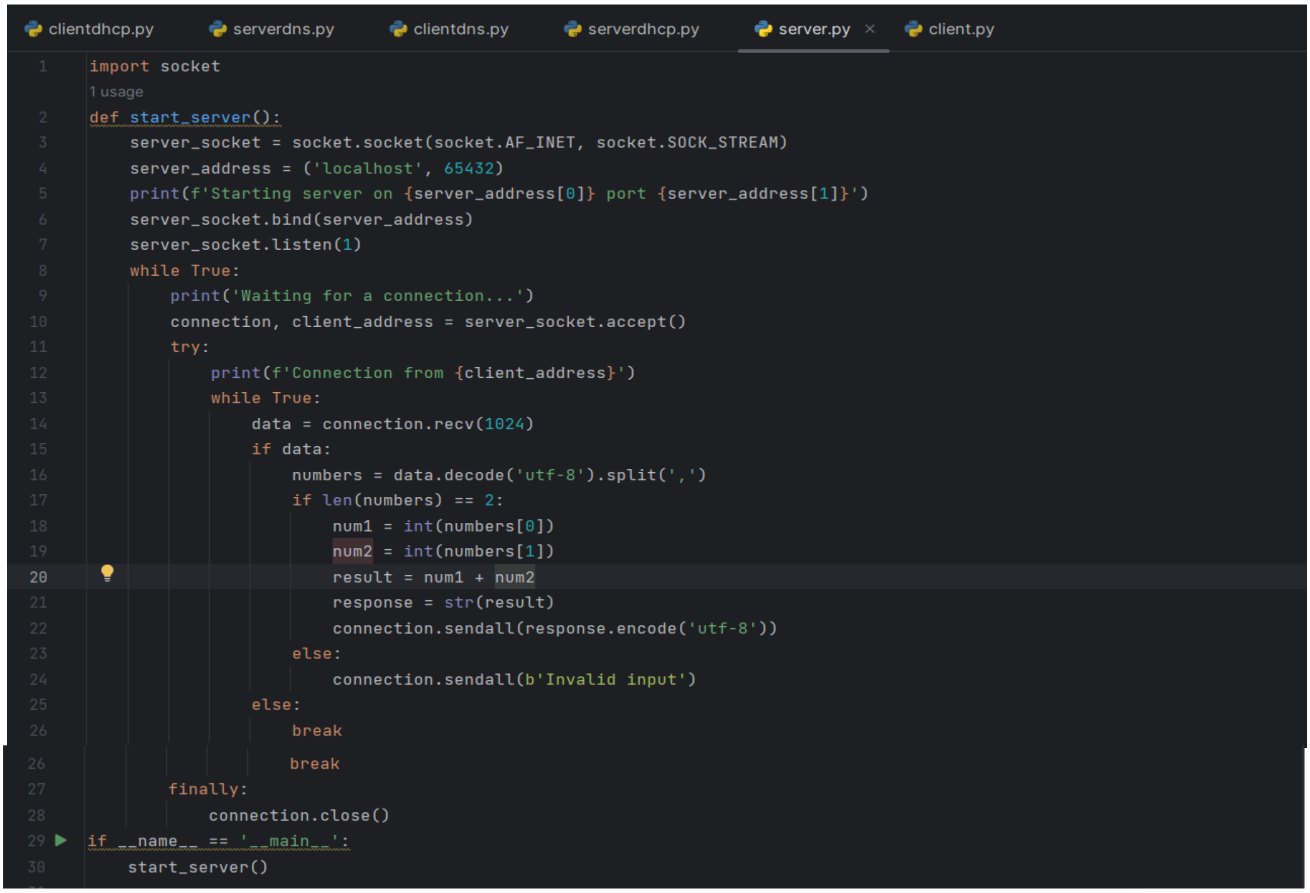
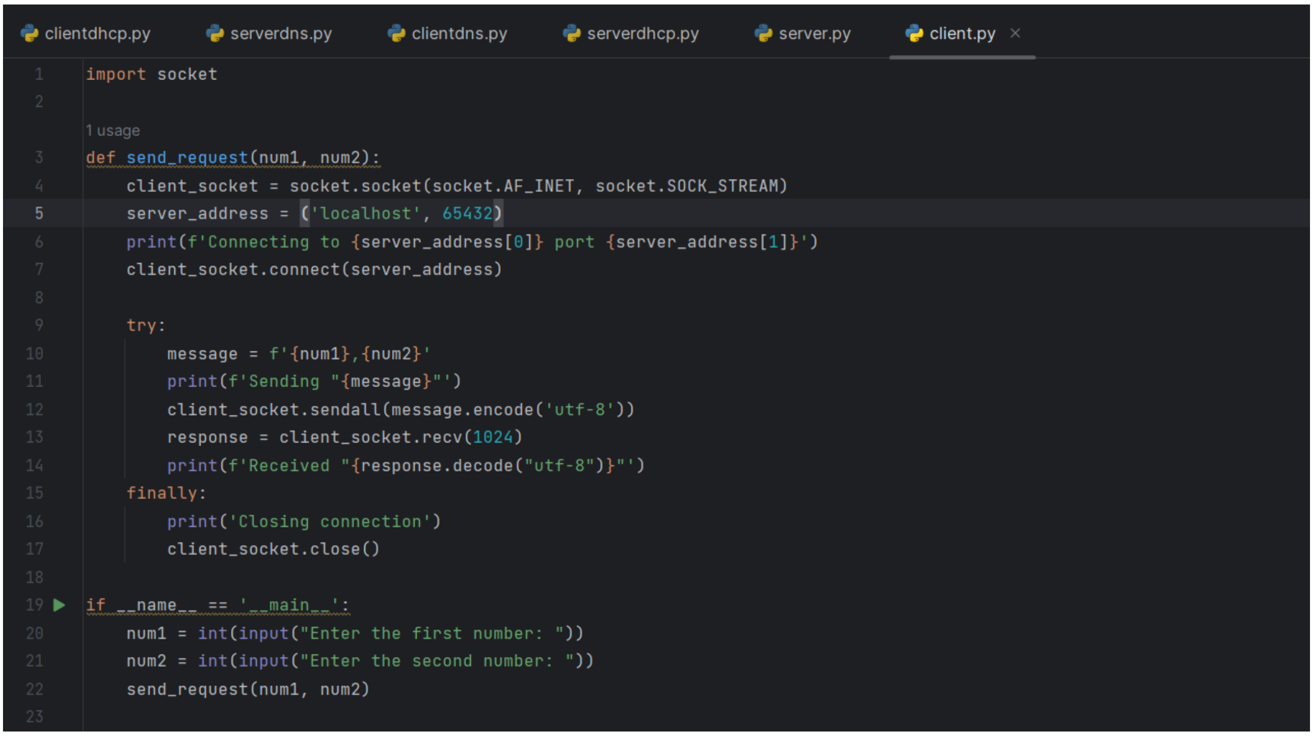
SERVER



```
import socket
def start_server():
    server_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
    server_address = ('localhost', 65432)
    print(f'Starting server on {server_address[0]} port {server_address[1]}')
    server_socket.bind(server_address)
    server_socket.listen(1)
    while True:
        print('Waiting for a connection...')
        connection, client_address = server_socket.accept()
        try:
            print(f'Connection from {client_address}')
            while True:
                data = connection.recv(1024)
                if data:
                    numbers = data.decode('utf-8').split(',')
                    if len(numbers) == 2:
                        num1 = int(numbers[0])
                        num2 = int(numbers[1])
                        result = num1 + num2
                        response = str(result)
                        connection.sendall(response.encode('utf-8'))
                    else:
                        connection.sendall(b'Invalid input')
                else:
                    break
                    break
        finally:
            connection.close()
if __name__ == '__main__':
    start_server()
```

CLIENT



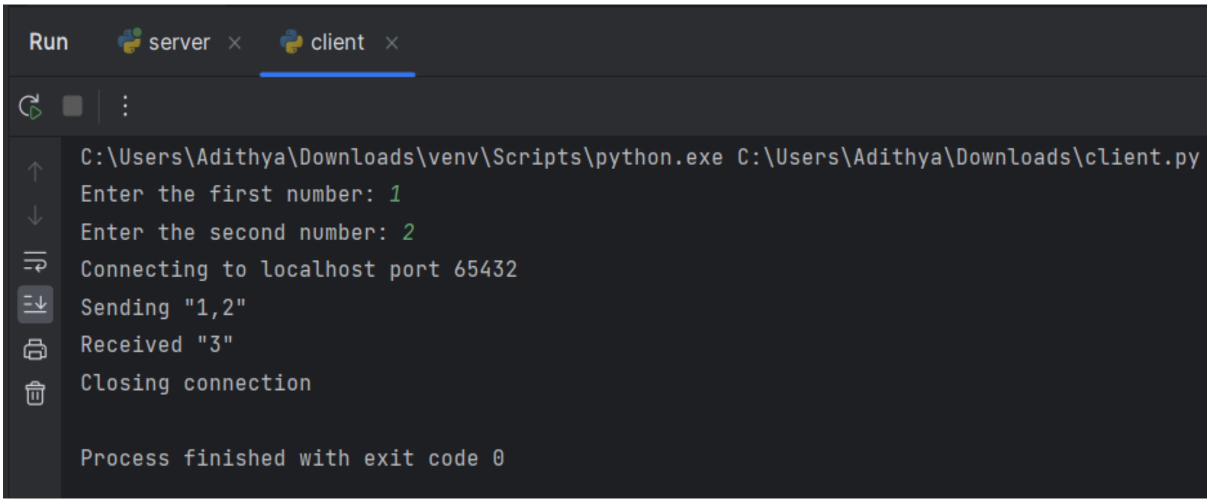
```
import socket

def send_request(num1, num2):
    client_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
    server_address = ('localhost', 65432)
    print(f'Connecting to {server_address[0]} port {server_address[1]}')
    client_socket.connect(server_address)

    try:
        message = f'{num1},{num2}'
        print(f'Sending "{message}"')
        client_socket.sendall(message.encode('utf-8'))
        response = client_socket.recv(1024)
        print(f'Received "{response.decode("utf-8")}"')
    finally:
        print('Closing connection')
        client_socket.close()

if __name__ == '__main__':
    num1 = int(input("Enter the first number: "))
    num2 = int(input("Enter the second number: "))
    send_request(num1, num2)
```

OUTPUT



```
C:\Users\Adithya\Downloads\venv\Scripts\python.exe C:\Users\Adithya\Downloads\client.py
Enter the first number: 1
Enter the second number: 2
Connecting to localhost port 65432
Sending "1,2"
Received "3"
Closing connection

Process finished with exit code 0
```