COMPUTER NETWORKING LAB - 8

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AP20110010033

CSE-A

Write a program for file transfer using TCP sockets?
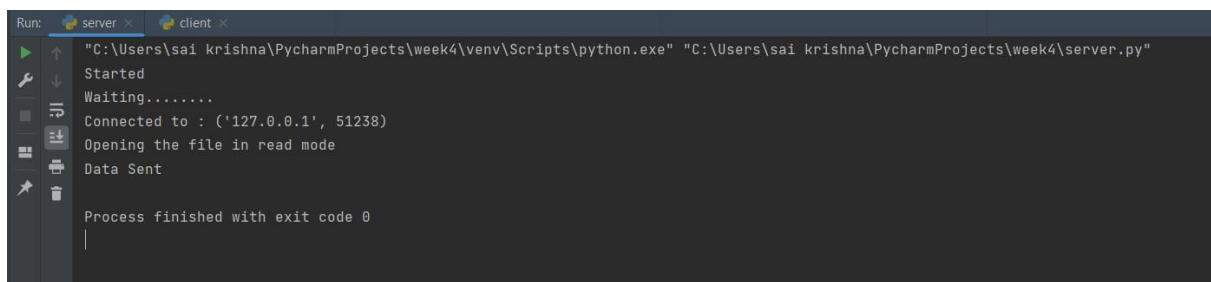
Server Code:

```python
import socket server=socket.socket()
server.bind(('localhost',1000))
server.listen(1) print("Started")
print("Waiting........")
connection,address=server.accept()
print("Connected to :",address)
print("Opening the file in read mode")
ser=open("send.txt","r")
content=ser.read()
connection.sendall(content.encode())
print("Data Sent") ser.close()
connection.close() server.close()
```

Client Code:

```python
import socket client=socket.socket()
client.connect(('localhost',1000))
content=client.recv(1024).decode()
print("Opening the file and writing")
rev=open("recv.txt","w")
rev.write(content)
print("File created successfull")
client.close()
```
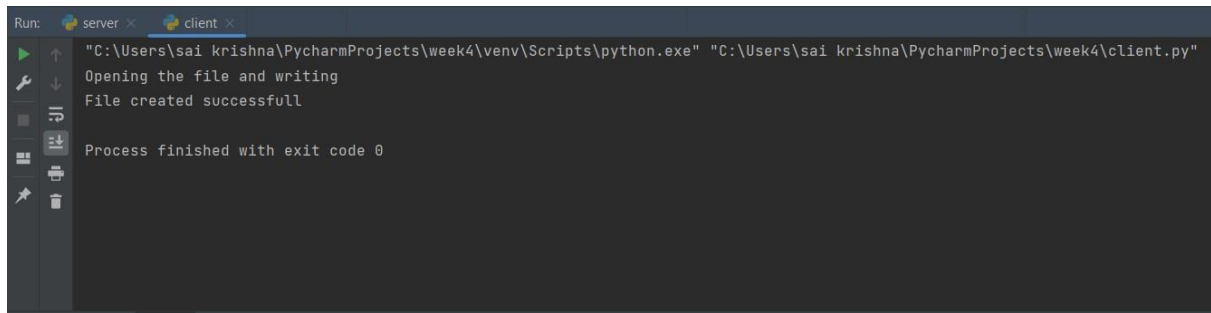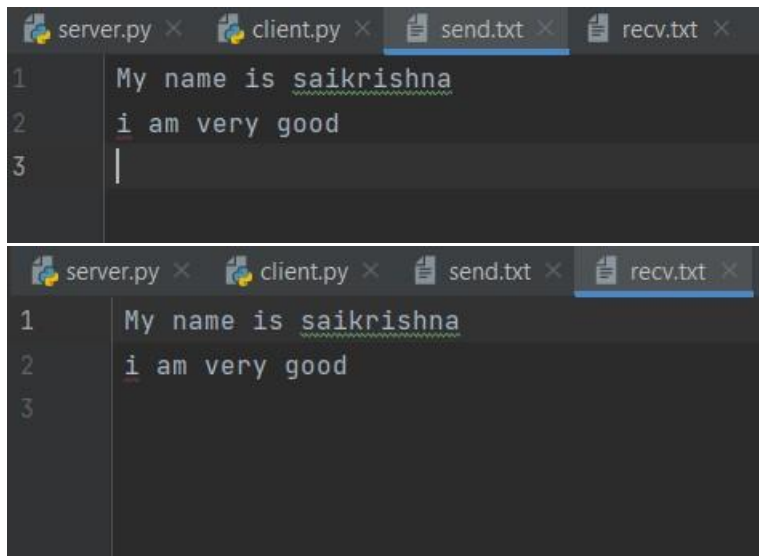
Output:

Server:

```
Run:    server ×    client ×
 ▶  ↑    "C:\Users\sai krishna\PycharmProjects\week4\venv\Scripts\python.exe" "C:\Users\sai krishna\PycharmProjects\week4\server.py"
 ⚙  ↓    Started
 ■  ⇥    Waiting........
 ⬇      Connected to : ('127.0.0.1', 51238)
 ⊟ ⇱    Opening the file in read mode
 🖶      Data Sent
 📌 🗑
        Process finished with exit code 0
```

Client:

```
Run:    server ×    client ×
  ▶  ↑   "C:\Users\sai krishna\PycharmProjects\week4\venv\Scripts\python.exe" "C:\Users\sai krishna\PycharmProjects\week4\client.py"
  ⚙  ↓   Opening the file and writing
  ▪  ⇥   File created successfull
  ▦  ⬇
  📌 🖨   Process finished with exit code 0
     🗑
```

Text document:

```
server.py ×    client.py ×    send.txt ×    recv.txt ×
1      My name is saikrishna
2      i am very good
3      |
```

```
server.py ×    client.py ×    send.txt ×    recv.txt ×
1      My name is saikrishna
2      i am very good
3
```