Experiment 6: Input:
Part 1:

```python
# Client1.py
# Branch: Computer
# Year: 2025
# Sem: 4
# Name: Mohd Qayam
# UIN: 231P038
# Roll No.: 02

print("*************************")
print("Simple Socket")
print("Mohd Qayam")
print("*************************")

from socket import *
clientSocket = socket(AF_INET, SOCK_STREAM)
clientSocket.connect(('127.0.0.1', 5000))
meg = clientSocket.recv(1024)
print("From server: " + meg.decode())
clientSocket.close()
```

```python
# Server1.py
# Branch: Computer
# Year: 2025
# Sem: 4
# Name: Mohd Qayam
# UIN: 231P038
# Roll No.: 02

print("*************************")
print("Simple Socket")
print("Mohd Qayam")
print("*************************")

from socket import *
serverSocket = socket(AF_INET, SOCK_STREAM)
serverSocket.bind(('127.0.0.1', 5000))
serverSocket.listen(1)
c, addr = serverSocket.accept()
sentence = input("Input sentence: ")
c.send(sentence.encode())
c.close()
```

Part 2:
```python
# AIM: Write a python program to create simple
socket for basic information exchange between
server and client till client/server type bye.
```

```python
# This is client.py
# Branch: Computer
# Year: 2025
# Sem: 4
# Name: Mohd Qayam
# UIN: 231P038
# Roll No.: 02

print("**************************")
print("Information Exchange")
print("Mohd Qayam")
print("**************************")

from socket import *

clientSocket = socket(AF_INET, SOCK_STREAM)
clientSocket.connect(('127.0.0.1', 5000))
while True:
    sentence = input("Input sentence: ")
    clientSocket.send(sentence.encode())
    if sentence == "bye":
        break
    meg = clientSocket.recv(1024)
    print("From server: " + meg.decode())
clientSocket.close()

# AIM: Write a python program to create simple
socket for basic information exchange between server
and client till client/server type bye.
# This is server.py
# Branch: Computer
# Year: 2025
# Sem: 4
# Name: Mohd Qayam
# UIN: 231P038
# Roll No.: 02

print("**************************")
print("Information Exchange")
print("Mohd Qayam")
print("**************************")

from socket import *
serverSocket = socket(AF_INET, SOCK_STREAM)
serverSocket.bind(('127.0.0.1', 5000))
serverSocket.listen(1)
c, addr = serverSocket.accept()
while True:
```

```python
    sentence = input("Input sentence: ")
    c.send(sentence.encode())
    if sentence == "bye":
        break
    meg = c.recv(1024)
    print("From client: " + meg.decode())
c.close()
```

Part 3:
AIM: Write a python program to create simple
socket for file sending between server and client.
This is client.py
Branch: Computer
Year: 2025
Sem: 4
Name: Mohd Qayam
UIN: 231P038
Roll No.: 02

```python
print("**************************")
print("File Sending")
print("Mohd Qayam")
print("**************************")

from socket import *
clientSocket = socket(AF_INET, SOCK_STREAM)
clientSocket.connect(('127.0.0.1', 5000))
f = open("testread.txt", "rb")
l = f.read(1024)
while (l):
    clientSocket.send(l)
    l = f.read(1024)
clientSocket.close()
```

AIM: Write a python program to create simple
socket for file sending between server and client.
This is server.py
Branch: Computer
Year: 2025
Sem: 4
Name: Mohd Qayam
UIN: 231P038
Roll No.: 02

```python
print("**************************")
print("File Sending")
print("Mohd Qayam")
print("**************************")

from socket import *
serverSocket = socket(AF_INET, SOCK_STREAM)
serverSocket.bind(('127.0.0.1', 5000))
serverSocket.listen(1)
c, addr = serverSocket.accept()
f = open("testwrite.txt", "wb")
l = c.recv(1024)
```

```
while (1):
    f.write(l)
    l = c.recv(1024)
f.close()
c.close()
```

```
******************************
Input sentence: Hello
```

```
******************************
From server: Hello
```

```
******************************
Input sentence: Hey
From client: Hi
Input sentence: bye
```

```
******************************
Input sentence: Hi
From server: Hey
Input sentence: bye
```

testwrite.txt ✕

Experiment 6 > Exp6,3 >

```
1    Hello World
```

Experiment 6 > Exp6,3 >

```
1    Hello World
```