

Server Program:

```
import socket
```

```
HOST = 'localhost' # Server IP address
```

```
PORT = 12345 # Server port number
```

```
def receive_file():
```

```
    with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as server_socket:
```

```
        server_socket.bind((HOST, PORT))
```

```
        server_socket.listen(1)
```

```
        print('Waiting for connection...')
```

```
        client_socket, addr = server_socket.accept()
```

```
        print('Connected to:', addr)
```

```
        with open('received_file', 'wb') as file:
```

```
            while True:
```

```
                data = client_socket.recv(1024)
```

```
                if not data:
```

```
                    break
```

```
                file.write(data)
```

```
        print('File received successfully.')
```

```
receive_file()
```

Client Program:

```
import socket
```

```
HOST = 'localhost' # Server IP address
```

```
PORT = 12345 # Server port number
```

```
FILE_PATH = 'file_to_send.txt' # Path of the file to be sent
```

```
def send_file():
```

```
with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as client_socket:
```

```
client_socket.connect((HOST, PORT))
```

```
with open(FILE_PATH, 'rb') as file:
```

```
for data in file:
```

```
client_socket.sendall(data)
```

```
print('File sent successfully.')
```

```
send_file()
```