# **LAB - 2**

### **SOCKETS**

Implementation of a Simple TCPIP Server and TCPIP Client.

# 1.Python

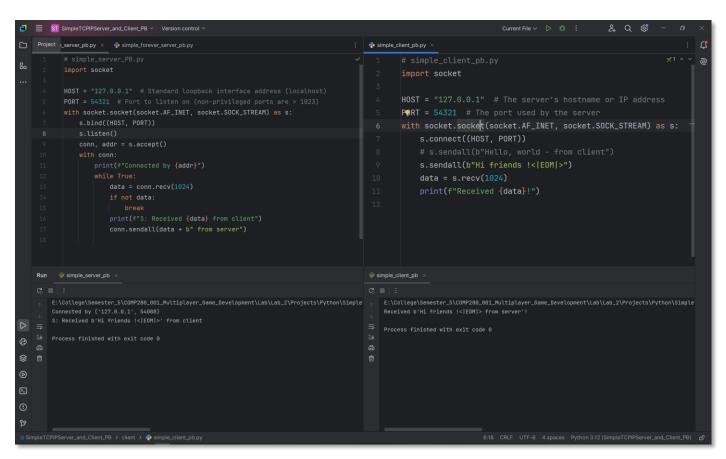


Fig 1.1: Python socket communication between Simple Client to Simple Server.

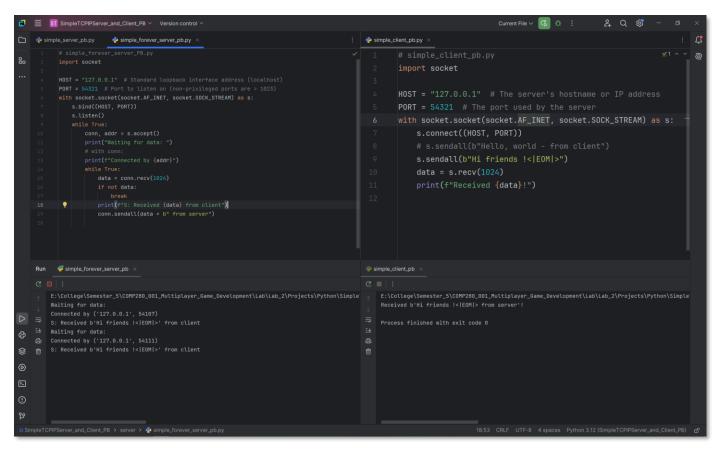


Fig 1.2: Python socket communication between Simple Client to Simple Forever Server.

### 2.C#

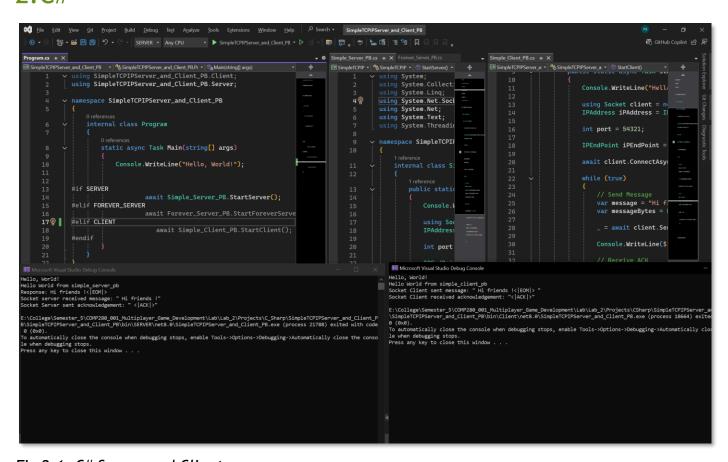


Fig 2.1: C# Server and Client.

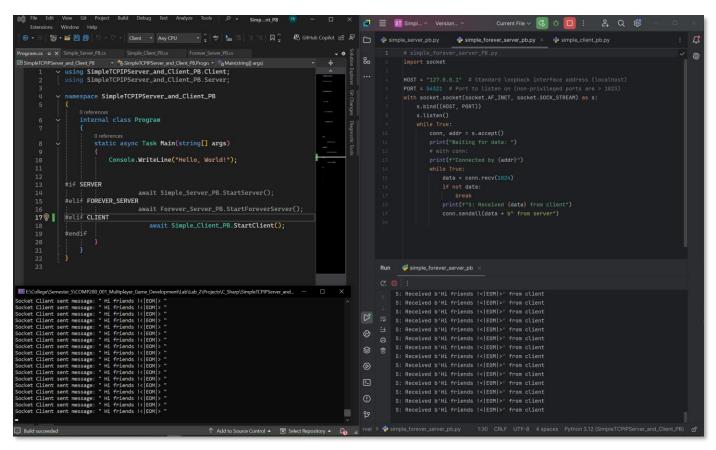


Fig 2.2: Python Server and C# Client.

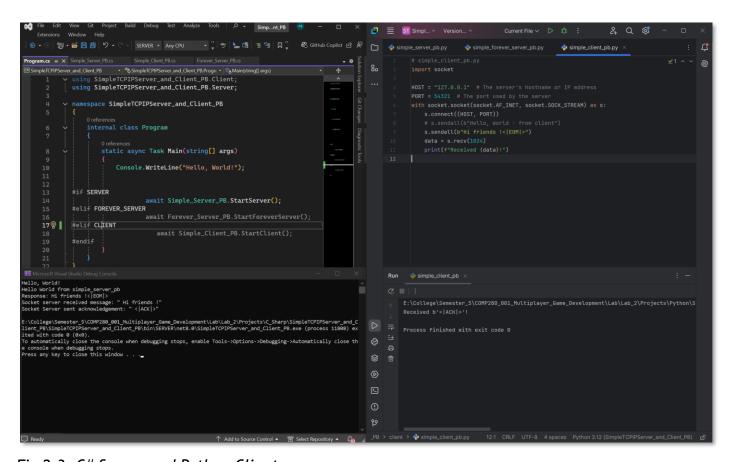


Fig 2.3: C# Server and Python Client.

#### 3. C

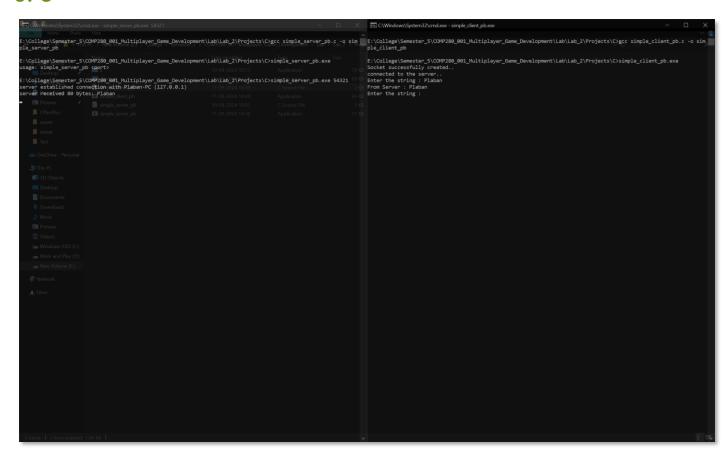


Fig 3.1: C Server and Client.

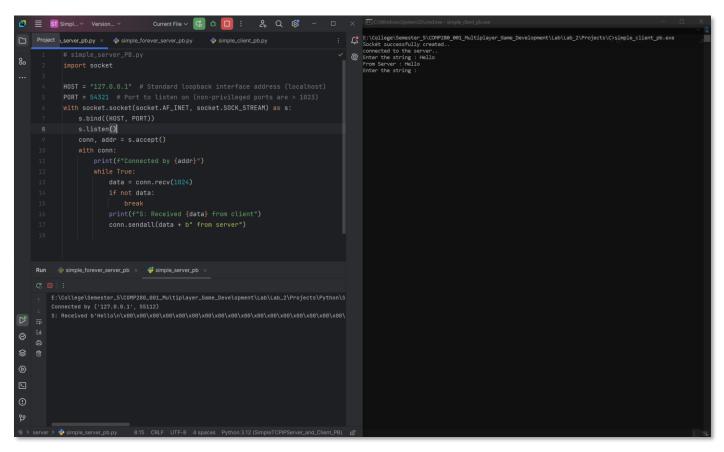


Fig 3.2: Python Simple Server and C Client.

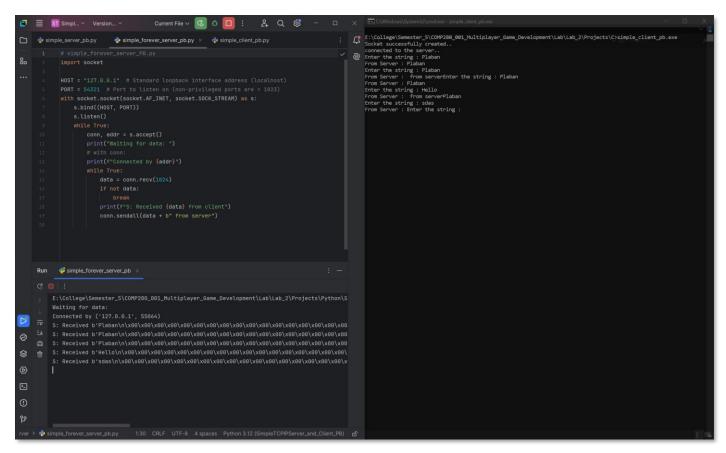


Fig 3.3: Python Simple Forever Server and C Client.

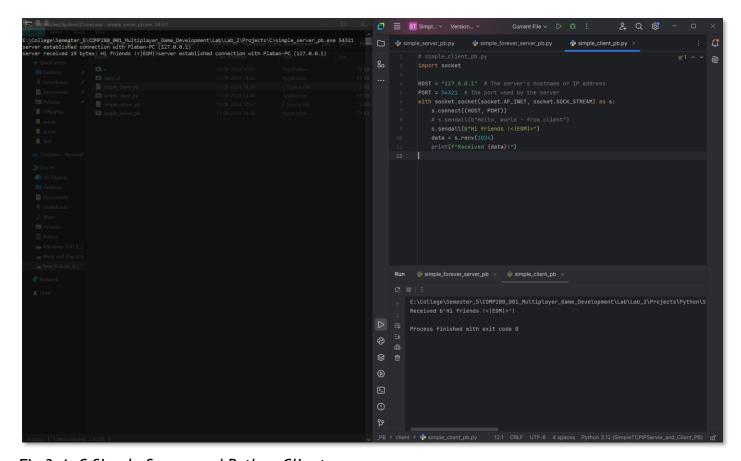


Fig 3.4: C Simple Server and Python Client.

#### 4. C++

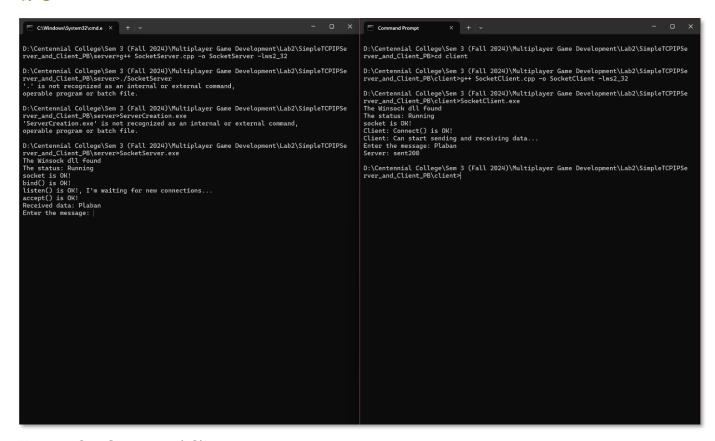


Fig 4.1: C++ Server and Client.

# 5. Challenge

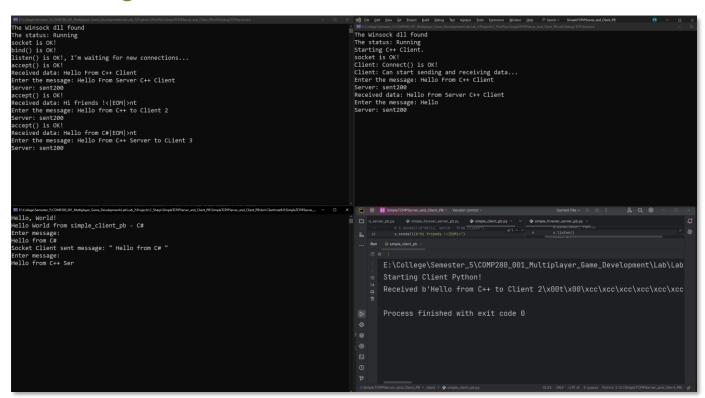


Fig 5.1: Forever C++ Server accepting messages from C++ client, C# client and Python client.