**Steps to run the build.xml in Ant:**

1) Copy the attached build.xml in source code folder

2) Open command prompt and change directory to the copied folder:

**Run UDP Code:**

Cd C:\ADC\_Project

3) Build the Project using Ant. Type the below command:

**ant –d build**

4) Once the build is created successfully, a bin folder will be created which holds the compiled class files.

5) In existing command prompt change directory to bin.

Cd bin

6) Run the below command to execute the UDP socket at port **3000** (it can be changed) and let it run.

java -cp ".;..\log4j-1.2.17.jar" AdcProj1.UdpServerSock 3000

7) Open another command prompt to execute UDP Client. Change the directory to the bin folder created by ant.

Cd

C:\ADC\_Project\bin

8) Run below command to execute UDP Client:

java -cp ".;..\log4j-1.2.17.jar" AdcProj1.UdpClientSock localhost 3000

9) The log file(socketProgramming.log) will be generated at below location:

C:\Socket\_Logs

This path is configurable in log4j.xml in **src** folder

**Run TCP Code:**

1) Change directory to **bin** folder

Cd

C:\ADC\_Project\bin

2) To Run TCP Server Socket program, run the below command to run at port 2500:

java -cp ".;..\log4j-1.2.17.jar" AdcProj1.TcpServerSock 2500

3) Keep the server running and open another command prompt to run TCP Client.

4) To Run TCP client program, run the below command to run at localhost and port 4002:

java -cp ".;..\log4j-1.2.17.jar" AdcProj1.TcpClientSock localhost 2500

5) The log file(socketProgramming.log) will be generated at below location:

C:\Socket\_Logs

This path is configurable in log4j.xml in **src** folder