USER MANUAL

BENCHMARKING TOOL

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MANUAL

This program was developed using Eclipse IDE. Compiled files are located under **/bin** folder and source files are located und **/src** folder in the inside the corresponding folders of CPU, Memory and Network.

1. To run **CPU Benchmark** follow below instructions:

- Go to the **CPU** directory in the terminal.
- Type the following terminal
  - **javac Cpu.java –>** For compiling
  - **java Cpu –>** For executing
- Then enter the no of threads that you want run concurrently i.e., 1, 2 or 4.
- This will give total milliseconds to execute operations and CPU speed in GFLOPS and GIOPS

2. To run other **Memory benchmark** follow below instructions:

- Go to the **Memory** directory using terminal
- Type the following command in the terminal**:**
  - **gcc memory.c –pthread –>** for compiling
  - **./a.out > output.txt** --> for running and printing the output to a file output.txt

3. To run Network Benchmark follow below instructions:

- Go to the **Network** directory using terminal
- Select TCP folder by typing --> **cd TCP**
- And type the following commands in sequence:
  - **javac ServerTCP.java**
  - **java ServerTCP**
  - Server will start !
- Now open another terminal for running client and type;
  - **Javac ClientTCP.java**
  - **Java ClientTCP**
  - Client will start. Now enter ip address (localhost) and port as 5555
- Select UDP folder by typing --> **cd UDP**
- And type the following commands in sequence:
  - **javac ServerUDP.java**
  - **java ServerUDP**

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Server will start !

- Now open another terminal for running client and type;

  Javac ClientUDP.java

  Java ClientUDP

  Client will start. Now enter ip address (localhost) and port as 6666