Manual

For memory and cpu programs either make file can be used by the command

Make all or make cpu_benchmark or make memory_benchmark

Or

Cpu program :

gcc cpu_benchmark -o cpu_benchmark -lpthread

./cpu_benchmark <operation> < no. of threads>

Operations – 1 for GIOPS , 2 for GFLOPS

No. of threads - 1, 2,4,8

Memory Program:

gcc memory_benchmark -o memory_benchmark -lpthread

./memory_benchmark <operation> <blocksize>< no. of threads>

Operations – 1 for GIOPS , 2 for GFLOPS

Blocksize – 1 for 8B , 2 for 8KB, 3 for 8MB, 4 for 80 MB

No. of threads - 1, 2,4,8

For disk

gcc disk.c -lpthread -o disk

./disk <operation><blocksize><threads><totalGB>

Operation: 1-RandomRead, 2-SequentialRead, 3-WriteRead

Blocksizes: 1-8B, 2-8KB, 3-8MB, 4-80MB

Threads: 1, 2 4, 8

Total size(GB)

Example;: To write and read 1 Gb of file through 8B of block and 2 threads.

./disk 3 1 2 1

For Network:

1.Server:

gcc server.c -lpthread -o server

./server (UDP or TCP) (number of threads)

Example: ./server TCP 2

2.client:

gcc client.c -lpthread -o client

./client (UDP or TCP) (number of Threads) (Block Size)

Example: ./client TCP 2 64