Computer Specifications

CPU

- Brand: Apple
- Model: M3-Pro
- No of Cores: 11 Cores
- Clock rate: 4.06Ghz
- Memory: 18Gb
- Speed of memory: LPDDR5 SDRAM
- Hard drive: 512gb
- Type: SSD
    - Max Sequential Read Speed: 4288 Mb/s
    - Max Sequential write speed: 4634 Mb/s
    - Max Random Read Speed: 5027 Mb/s
    - Max random write speed: 4698Mb/s

Float Benchmark output

```
mujeeb@Abdulmujeebs-MacBook-Pro float_benchmark % ls
float_benchmark          float_benchmark.cpp
mujeeb@Abdulmujeebs-MacBook-Pro float_benchmark % ./float_benchmark
Time: 12739ms
mujeeb@Abdulmujeebs-MacBook-Pro float_benchmark %
```

Integer Benchmark output

```
mujeeb@Abdulmujeebs-MacBook-Pro integer_benchmark % ls
integer_benchmark        integer_benchmark.cpp
mujeeb@Abdulmujeebs-MacBook-Pro integer_benchmark % ./integer_benchmark
Time: 12902ms
mujeeb@Abdulmujeebs-MacBook-Pro integer_benchmark %
```

Memory benchmark output

```
mujeeb@Abdulmujeebs-MacBook-Pro memory_benchmark % ls
memory_benchmark         memory_benchmark.cpp
mujeeb@Abdulmujeebs-MacBook-Pro memory_benchmark % ./memory_benchmark
Time: 12551ms
mujeeb@Abdulmujeebs-MacBook-Pro memory_benchmark %
```

Hard drive benchmark one output

```
mujeeb@Abdulmujeebs-MacBook-Pro harddrive_1_benchmark % ls
harddrive1                      harddrive_1_benchmark.cpp
mujeeb@Abdulmujeebs-MacBook-Pro harddrive_1_benchmark % ./harddrive1
Time: 1149ms
mujeeb@Abdulmujeebs-MacBook-Pro harddrive_1_benchmark %
```

Hard drive benchmark2 output

```
mujeeb@Abdulmujeebs-MacBook-Pro harddrive_2_benchmark % ls
harddrive2                     harddrive_2_benchmark.cpp      sample.txt
mujeeb@Abdulmujeebs-MacBook-Pro harddrive_2_benchmark % ./harddrive2
Time: 585ms
mujeeb@Abdulmujeebs-MacBook-Pro harddrive_2_benchmark %
```

Float Output	Integer Output	Memory Output	Hard drive benchmark one output	Hard drive benchmark two output	Geometric mean
12739ms	12902ms	12551ms	1149ms	585ms	**4250.003ms**