

## Computer Specifications

### CPU

- Brand: Apple
- Model: M3-Pro
- No of Cores: 11 Cores
- Clock rate: 4.06Ghz
- Memory: 18Gb
- Speed of memory: LPDDR5 SDRAM (150GB bandwidth)
- Hard drive: 512 GB.
- Type: SSD
  - Max Sequential Read Speed: 4288 Mb/s
  - Max Sequential write speed: 4634 Mb/s
  - Max Random Read Speed: 76705 IOPS
  - Max random write speed: 71685 IOPS

### 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

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  [x] zsh - integer

● 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	<b>Geometric mean</b>
12739ms	12902ms	12551ms	1149ms	585ms	<b>4250.003ms</b>