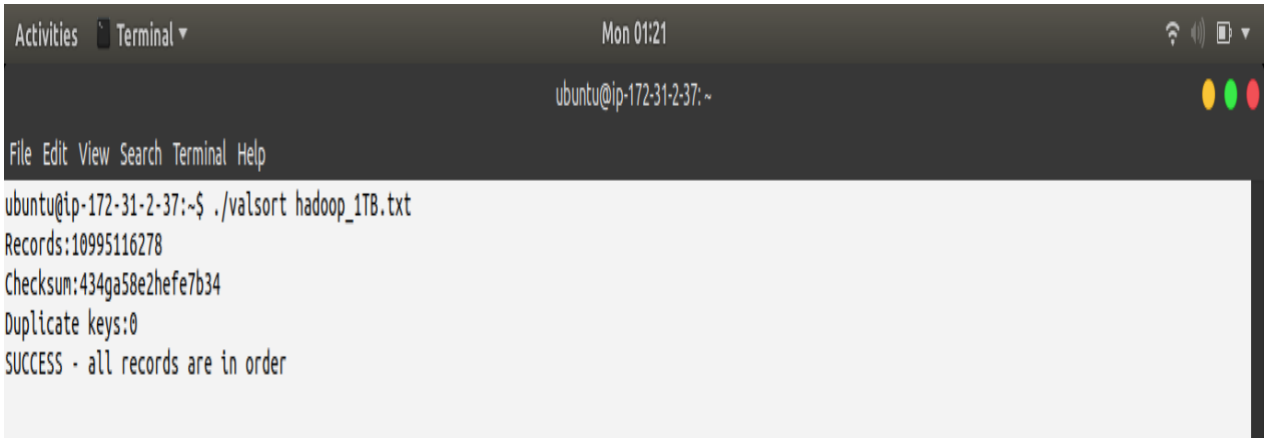
Valsort:

SharedMemory

For SharedMemory, we deleted the I/P and O/P files, So due to time constraints we ran 10MB file, and we found 1 unordered record.

So, for overall for 128GB we will be having 1374389535 records, out of which approximate unordered records will be 1280 records.
Same, for 1TB we have 10995116278 we will be having around 10,240 records unordered, which is less efficient as compared to Spark and Hadoop.

Hadoop



Spark