**Tips to Improve Performance of CDH VM**

1. **Try allocating 50% or lesser memory for VM**
   Many students have laptops with 4gb memory. The default memory configuration of CDH VM is 4GB, which is too large in these cases. Try changing the memory size of VM to 2GB or either 1GB.

2. **Switch on hardware acceleration if possible.**
   This is usually enabled by default.

3. **Remove services that are not used.**
   Since, you shall not be using Mahout, Oozie, Hive, or Sqoop for the assignment you can remove those services.

   Use the following command to remove each:
   ```bash
   sudo yum remove mahout
   sudo yum remove oozie oozie-client
   sudo yum remove hive
   sudo yum remove sqoop
   sudo yum remove sqoop2-server sqoop2-client
   ```

   The entire list of services running can be found here:
   [http://www.cloudera.com/content/cloudera/en/documentation/core/latest/topics/cdh_ig_cdh_comp_uninstall.html](http://www.cloudera.com/content/cloudera/en/documentation/core/latest/topics/cdh_ig_cdh_comp_uninstall.html)