



## **Assignment – Container (Docker )**

### Part 1- Container (Docker)

1. Create a docker image which has Hadoop, Hive, Spark, Kafka and Mongo DB
2. Export it to Docker hub as public .You name your image as your group number
3. Use that docker image which you created in step 1 and launch the container then show all those components are working.i.e
  - a. All the services in Hadoop is up and running. Run any hdfs command
  - b. Start Hive and show its running (Hive> )
  - c. Start Spark and show its running (Scala > )
  - d. Start Kafka and show its running (send a message from producer to consumer)
  - e. Start Mongo DB and show its running (LOG IN TO YOUR Mongo DB)

### Deliverable

Record maximum 3 minutes video. Upload you recorded video directly in BB. If your video is longer than 3 minutes, there will be 10% deduction for every second extra.

1. There will be 10% deduction for each day delay. After three days I do not accept the assignment and you get zero.
2. **Whoever is uploading must complete the following table. If this table is not completed, you do not get mark for the assignment.** This is to make sure everyone participates in the activity. Keep it at the end of PDF

<b>Name of students <b>who has</b> participated in the assignment.</b>
<b>Student name:</b>
<b>Student name:</b>
<b>Student name:</b>
<b>Student name:</b>
<b>Student name:</b>

<b>Name of students <b>who has not</b> participated in the assignment.</b>
<b>Student name:</b>
<b>Student name:</b>
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