Hadoop

- Q 1. **Please write down the ubuntu / hadoop commands for followings**
  - Create a csv file with **bootcamp.csv** on your local ubuntu machine (docker container).

    - Ans- We can do touch bootcamp.csv or nano bootcamp.csv

  - Copy the below data into bootcamp.csv
    -

```
Duration,Pulse,Maxpulse,Calories
60,110,130,409.1
60,117,145,479.0
60,103,135,340.0
45,109,175,282.4
45,117,148,406.0
60,102,127,300.0
60,110,136,374.0
45,104,134,253.3
30,109,133,195.1
60,98,124,269.0
60,103,147,329.3
60,100,120,250.7
60,106,128,345.3
60,104,132,379.3
60,98,123,275.0
60,98,120,215.2
60,100,120,300.0
```

    - Upload **bootcamp.csv** into a hadoop dir with name /user/test/bootcamp/data

      Ans: Step 1: we will create hadoop directory

      Hadoop fs -lmkdir -p /user/test/bootcamp/data

      Step 2: we will check if the directory exits bootcamp.csv
      To check- hadoop fs -ls /user/test/bootcamp/data

      Hadoop fs -put bootcamp.scv /user/test/bootcamp/data

      Step 3: verify

      Hadoop fs -ls /user/test/bootcamp/data

- Print the first 5 records from the top

  Command - hadoop fs -cat /user/test/bootcamp/data/bootcamp.csv | head -5

- Print the last 5 records from the boot

  Command - hadoop fs -cat /user/test/bootcamp/data/bootcamp.csv | tail -5

- Q 2. **Please write down the ubuntu / hadoop commands for followings**
  - Create a dir on your local machine with the name as data1 .
    Command - mkdir data1

  - Change your directory to data1
    command : cd data1

  - Download the bootcamp.csv from hadoop /user/test/bootcamp/data into the local dir.

    Cd data1
    Hadoop fs -get /user/test/bootcamp/data/bootcamp.csv