B2 :DISTRIBUTED APPLICATION USING MAPREDUCE WHICH PROCESSES A LOG FILE OF A SYSTEM

```
student@student:-$ echo $ShELL
/bin/bash
student@student:-$ nano ~/.bashrc
student@student:-$ nano ~/.bashrc
student@student:-$ source ~/.bashrc
student@student:-$ source ~/.bashrc
student@student:-$ echo $PATH
/home/student/DSBDA/spark-3.5.1-bin-hadoop3/bin:/home/student/spark-3.5.1-bin-hadoop3/bin:/home/student/DSBDA/spark-3.5.1-bin-hadoop3/bin:/lose/student/psbDA/spark-3.5.1-bin-hadoop3/bin:/usr/local/jbin:/usr/local/pin:/usr/sbin:/usr/pin:/sbin:/bin:/usr/games:/usr/local/games:/sn
k-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/spark/spark-3.5.1-bin-hadoop3/bin:/opt/s
```

```
lons df.describe("status").show()
scala> not_found_df.withColumn("day", dayofyear($"time")).withColumn("year", year($"time")).grd
").show(10)
|day|year|count|
|312|2017|
               8|
|313|2017|
|314|2017|
               10
               6
              12|
6|
|315|2017|
|316|2017|
|317|2017|
|318|2017|
               10
               18|
|319|2017|
               8
|320|2017|
               10|
               5|
|321|2017|
only showing top 10 rows
scala>
       /* To run the program
scala> :load WebLog_Processing.scala
scala> :quit
```