For NASA data:

Step 1: Create a java file using nano with below command

```
anagave@hadoop-nn001:~$ nano LineCount.java
```

Step 2: (LineCount.java code is in Achyutha_NagavetiBhavaniSanthoshi_Program_2 for reference) Compile the java program using below command

```
anagave@hadoop-nn001:~$ hadoop com.sun.tools.javac.Main LineCount.java
```

Step 3: To Execute the java file the below command is used

```
anagave@hadoop-nn001:~$ jar cf lc.jar LineCount*.class
```

Step 4: Now, Running jar file for NASA data

```
anagave@hadoop-nn001:~$ hadoop jar lc.jar LineCount /user/anagave/NASA__data/202
1/02/27/21/FlumeData.* /user/anagave/output_NASADATA
```

Step 5: Now, Copy the output file to HADOOP local using below command to check the output

```
anagave@hadoop-nn001:~$ hadoop fs -get /user/anagave/output_NASADATA /home/anaga
ve
```

For Mars data:

Step 1: Create a java file using nano with below command

```
anagave@hadoop-nn001:~$ nano LineCount.java
```

Step 2: (LineCount.java code is in Achyutha_NagavetiBhavaniSanthoshi_Program_2 for reference) Compile the java program using below command

```
anagave@hadoop-nn001:~$ hadoop com.sun.tools.javac.Main LineCount.java
```

Step 3: To Execute the java file the below command is used

```
anagave@hadoop-nn001:~$ jar cf lc.jar LineCount*.class
```

Step 4: Now, Running jar file for Mars data

```
anagave@hadoop-nn001:~$ hadoop jar lc.jar LineCount /user/anagave/Mars__data/202
1/02/27/20/FlumeData.* /user/anagave/output_MarsDATA
```

Step 5: Now, Copy the output file to HADOOP local using below command to check the output

```
anagave@hadoop-nn001:~$ hadoop fs -get /user/anagave/output_MarsDATA /home/anaga
ve
```