

BigData And Hadoop

Assignment 2-B of Session 4

Problem Statement :

Given a dataset of sales of different TV sets across different locations, with records in the format :

Company Name|Product Name|Size in inches|State|Pin Code|Price

Eg : Samsung|Optima|14|Madhya Pradesh|132401|14200

There are some invalid records which contain 'NA' in either Company Name or Product Name.

Write a Map Reduce program to calculate the total units sold in each state for Onida company.

Solution

Code files are as follows :

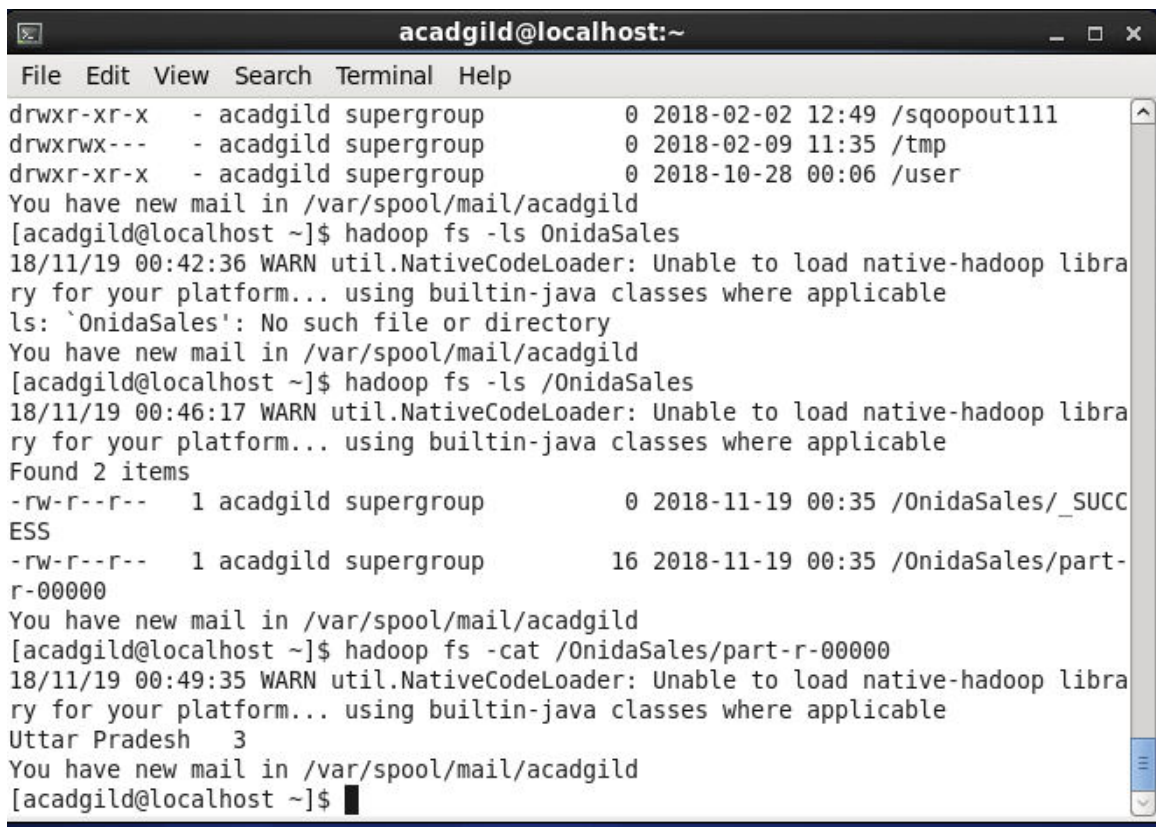
Mapper class : OnidaSalesMapper.java

Reducer class : OnidaSalesReducer.java

Driver class : OnidaSales.java

Snapshots of the output are as follows :

- Executed Assign4.jar on file television.txt



```
acadgild@localhost:~  
File Edit View Search Terminal Help  
drwxr-xr-x - acadgild supergroup 0 2018-02-02 12:49 /sqoopout111  
drwxrwx--- - acadgild supergroup 0 2018-02-09 11:35 /tmp  
drwxr-xr-x - acadgild supergroup 0 2018-10-28 00:06 /user  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ hadoop fs -ls OnidaSales  
18/11/19 00:42:36 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
ls: 'OnidaSales': No such file or directory  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ hadoop fs -ls /OnidaSales  
18/11/19 00:46:17 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Found 2 items  
-rw-r--r-- 1 acadgild supergroup 0 2018-11-19 00:35 /OnidaSales/_SUCCESS  
-rw-r--r-- 1 acadgild supergroup 16 2018-11-19 00:35 /OnidaSales/part-r-00000  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ hadoop fs -cat /OnidaSales/part-r-00000  
18/11/19 00:49:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Uttar Pradesh 3  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$
```