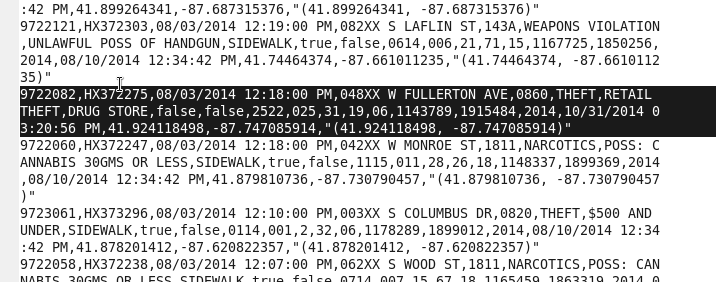
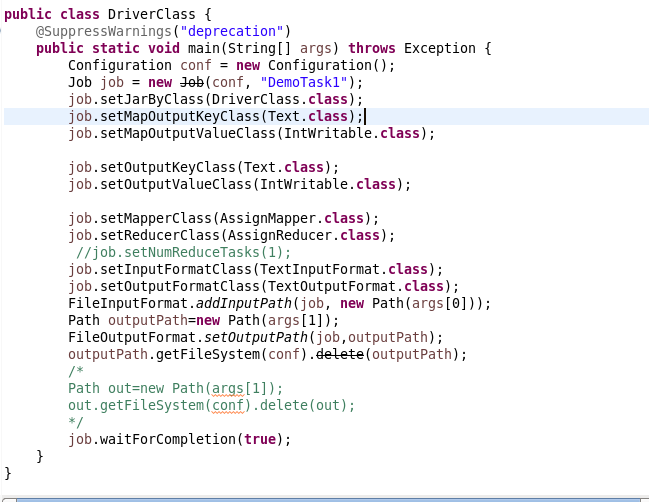
**PROJECT**

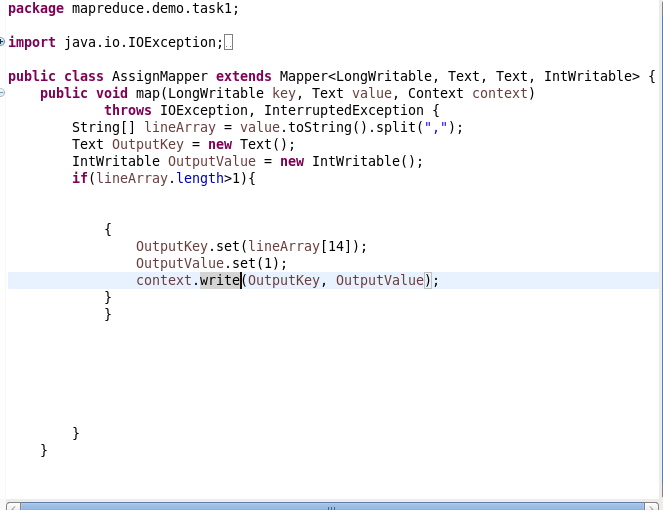
**INPUT DATASET**

****

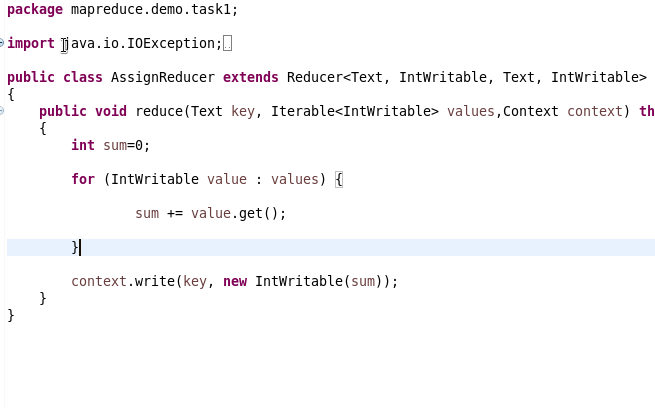
**Q1.Write a mapreduce and pig program to calculate the number of cases investigated under each FBI code**

**MAPREDUCE:**

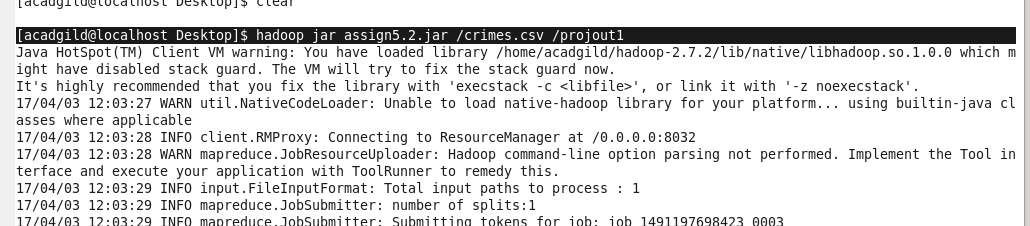
**PROJECT DRIVER**

**PROJECT MAPPER**

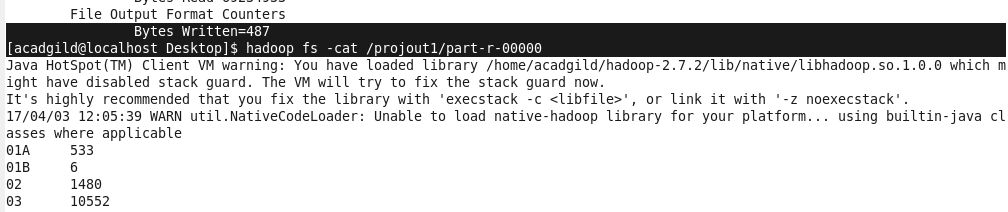
**PROJECT REDUCER**

****

**CREATING A JAR**

****

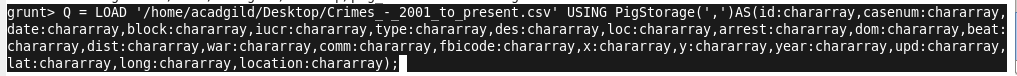
**OUTPUT1**

****

****

**PIG**

**LOAD DATASET**

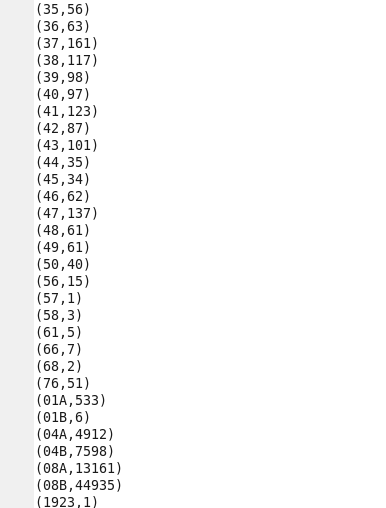
****

**GROUP BY FBICODE**

**C:\Users\612909\Desktop\hadoop\projpiggroupbyfbi.PNG**

**OUTPUT**

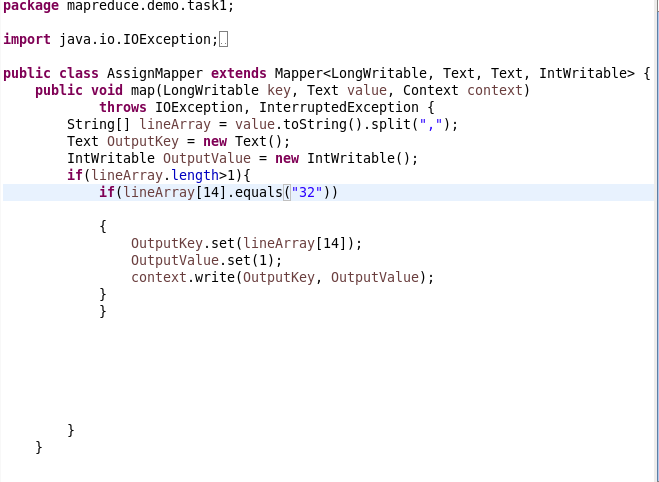
**C:\Users\612909\Desktop\hadoop\projpigforeach.PNG**

****

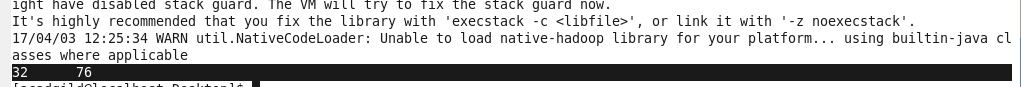
**Q 2. Write a mapreduce and pig program to calculate the number of cases investigated under FBI code 32.**

**MAPREDUCE**

**MAPPER**



**OUTPUT**

****

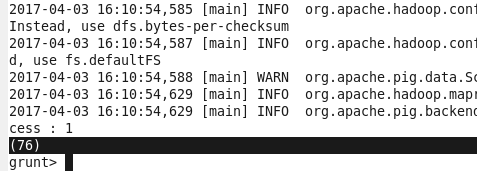
**PIG:**

**Filter fbicode=32**

**Generate count**



**Output**

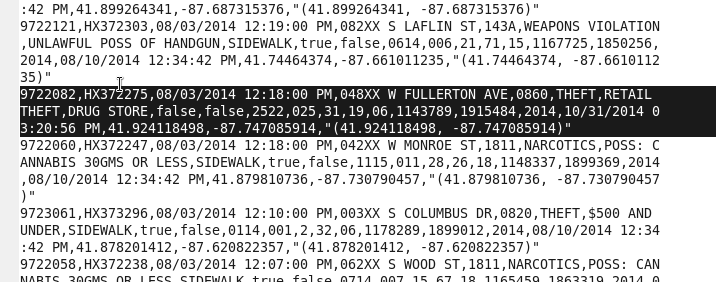


**Q.3 Write a mapreduce and pig program to calculate the number of arrests in theft district wise.**

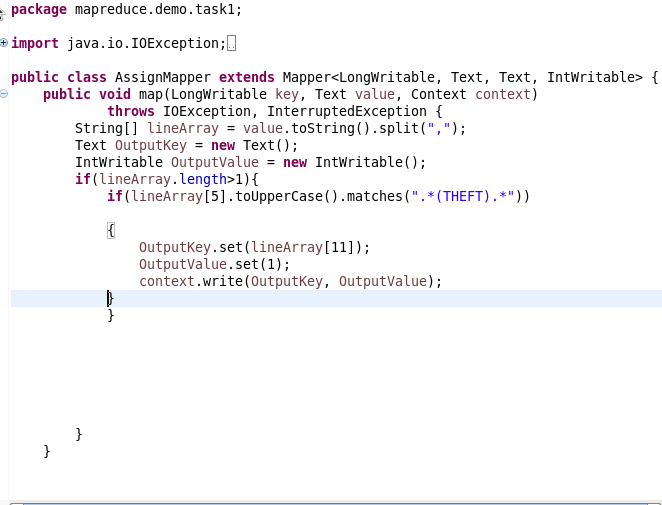
**MAPREDUCE**

LineArray[5] is Primary type-description of theft(for ex. Car-theft)

LineArray[11] is the name of district



**MAPPER**

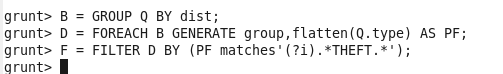
****

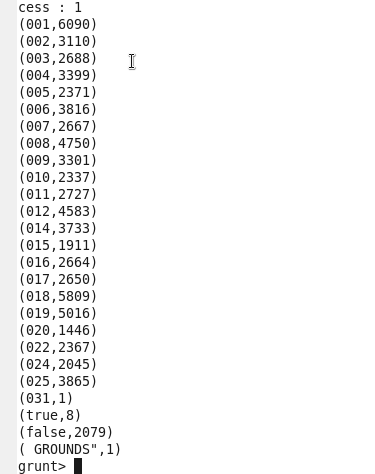
**OUTPUT**

****

**PIG:**

**FILTER DATASET BY THEFT AND GROUP BY DISTRICT**





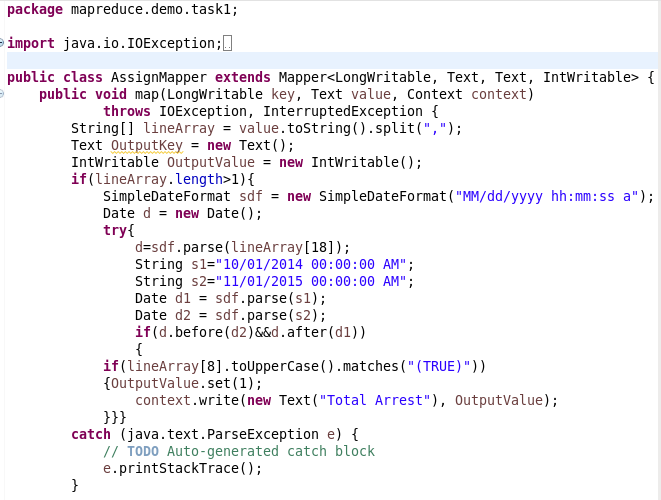
**Q.4 Write a mapreduce and pig program to calculate the number of arrests done between October 2014 and October 2015.**

**MAPREDUCE**

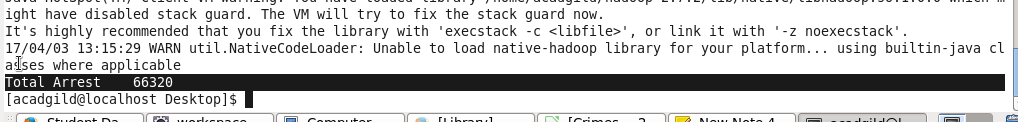
LineArray[18] is Updated on-date

LineArray[5] is arrest(true/false)

**MAPPER**

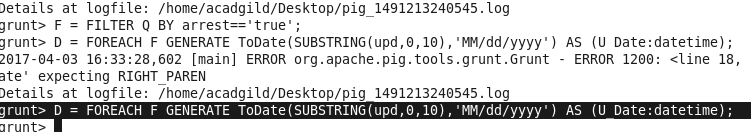
****

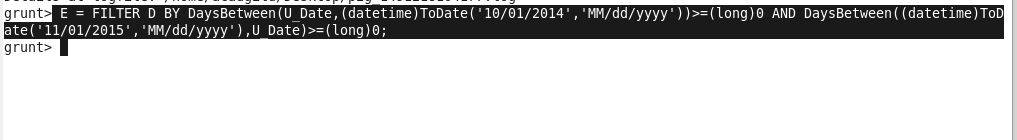
**OUTPUT**

****

**PIG:**

**Check for arrest and format updated date**



**Find days between october 2014 and october 2015**

**Output:**

