**ASSIGNMENT PROJECT CRIME**

**Dataset Description**: ID,Case Number,Date,Block,IUCR,Primary Type,Description,Location Description,Arrest,Domestic,Beat,District,Ward,Community Area,FBICode,X Coordinate,Y Coordinate,Year,Updated On,Latitude,Longitude,Location

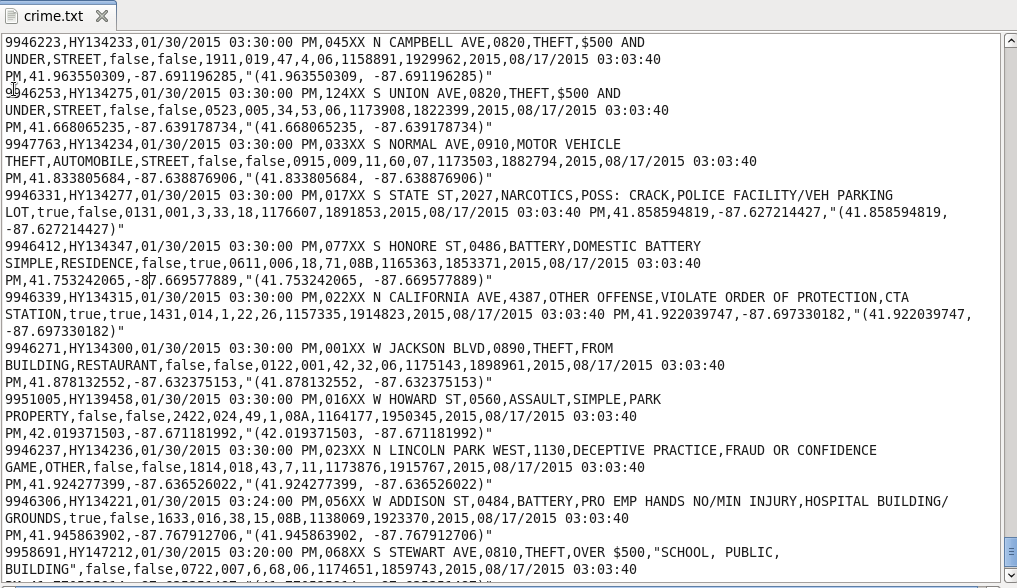
**Problem Statement**

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

2. Write a mapreduce and pig program to calculate the number of cases investigated under FBI code 32. 3. Write a mapreduce and pig program to calculate the number of arrests in theft district wise.

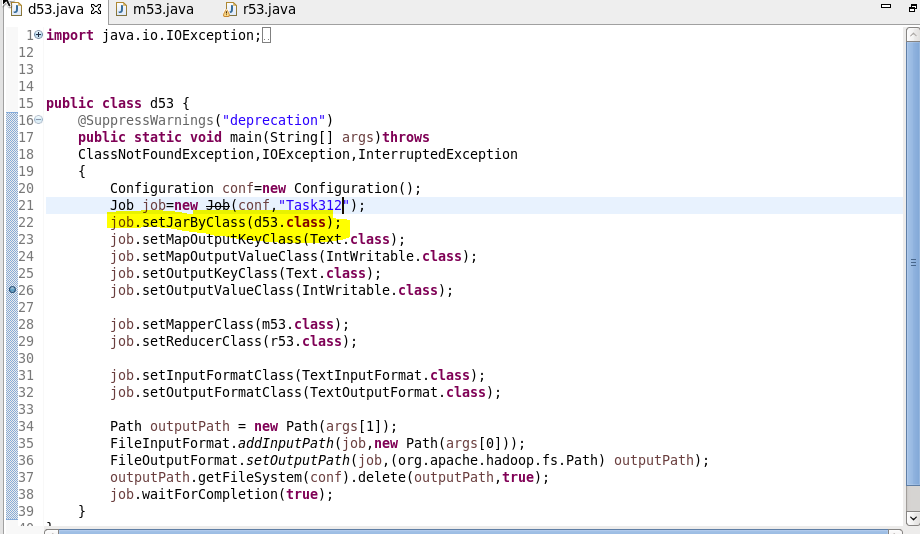
4. Write a mapreduce and pig program to calculate the number of arrests done between October 2014 and October 2015.

Input file

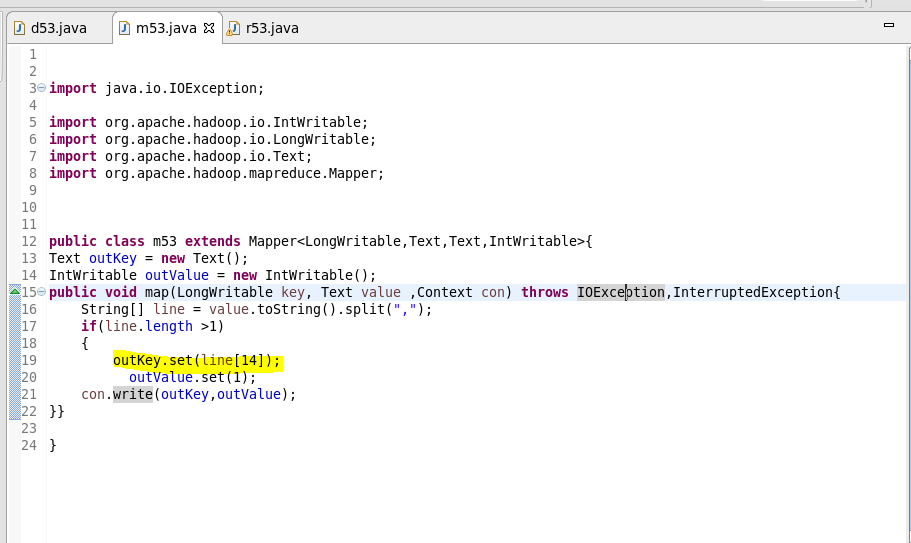


QUES1 )

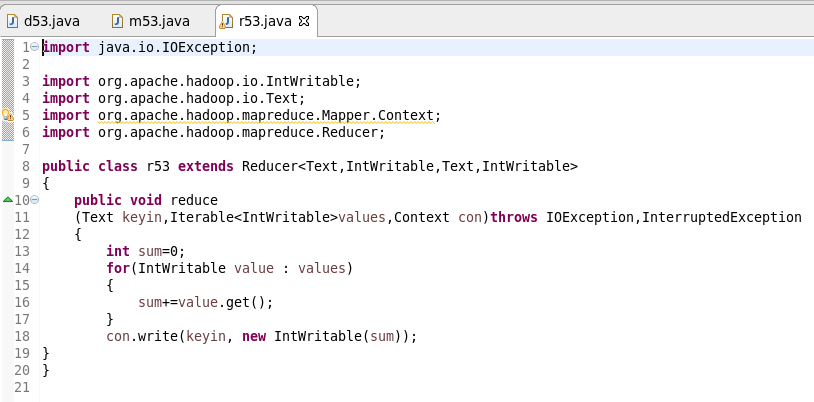
DRIVER



MAPPER



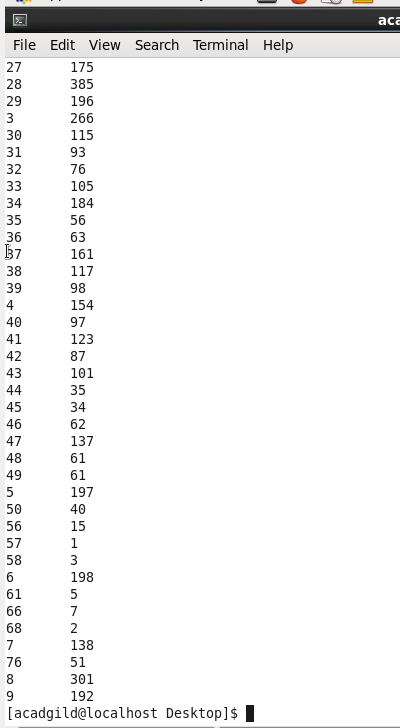
REDUCER



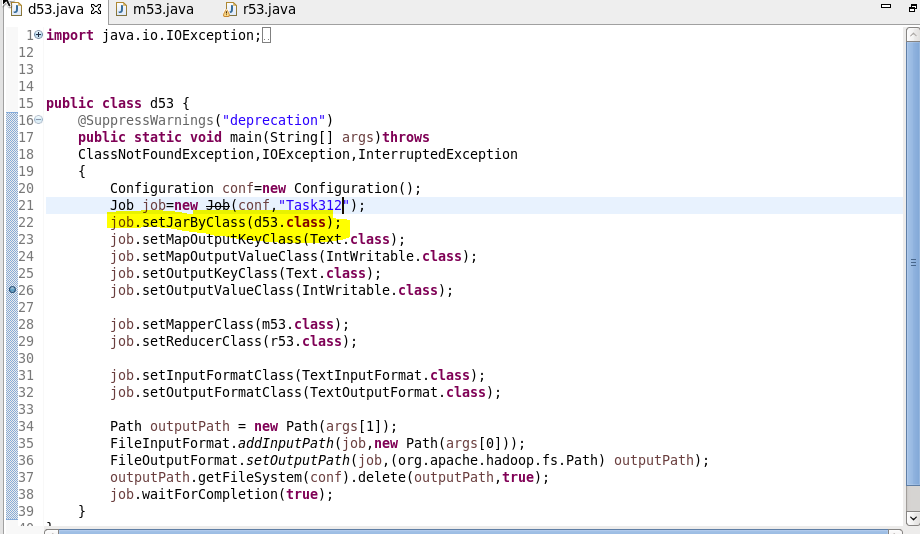
RUNNING JAR FILE

Hadoop jar proj1.1jar /crime.txt /proj\_op1.2

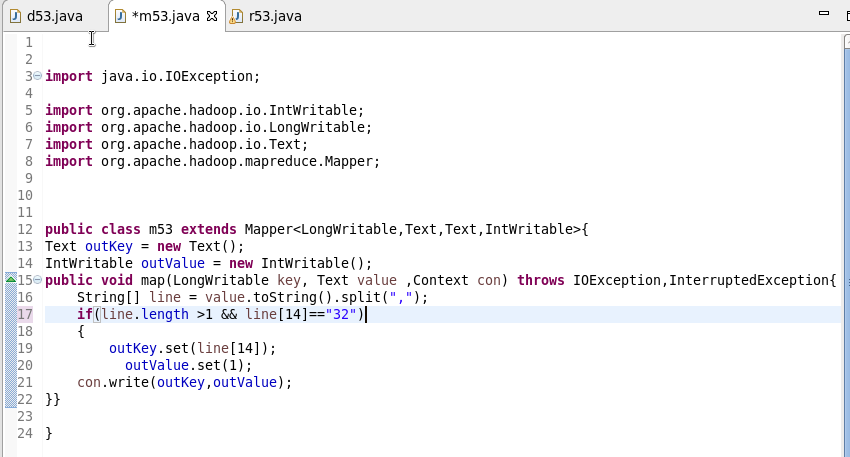
OUTPUT



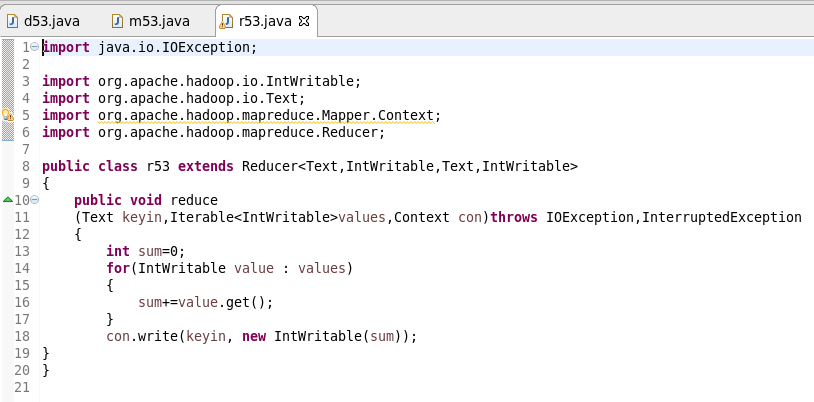
Ques2)



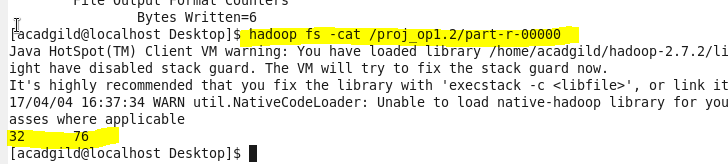
Mapper



Reducer

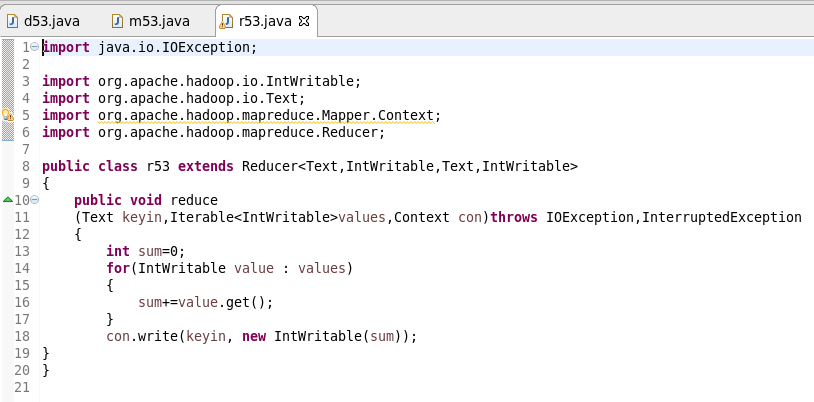


Output

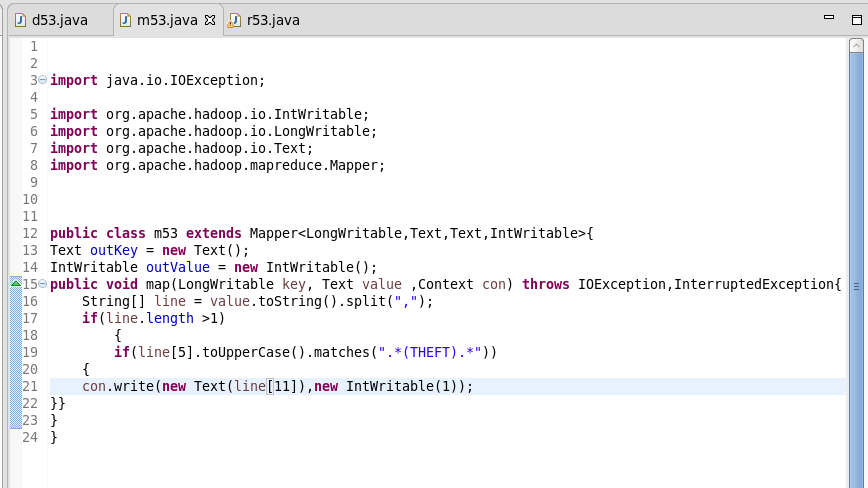


Ques3)

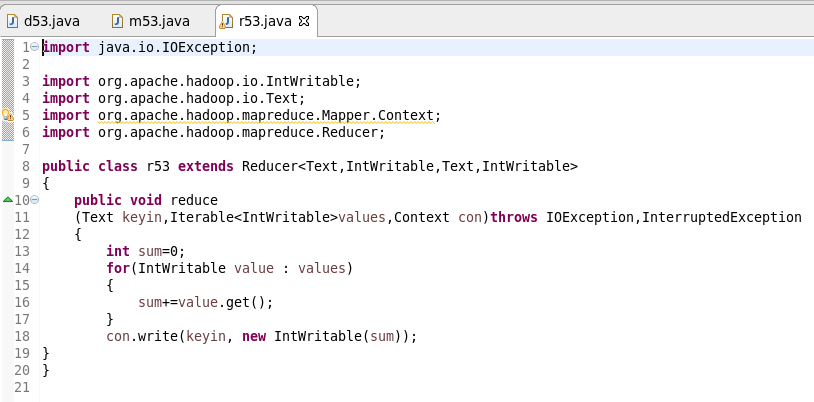
driver



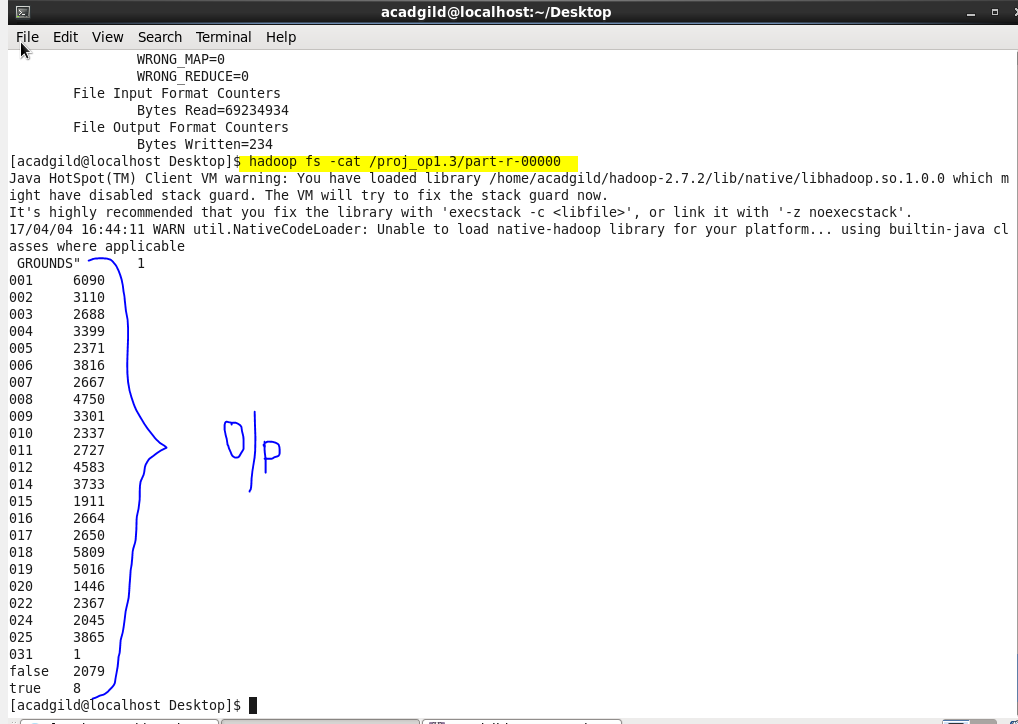
Mapper



Reducer

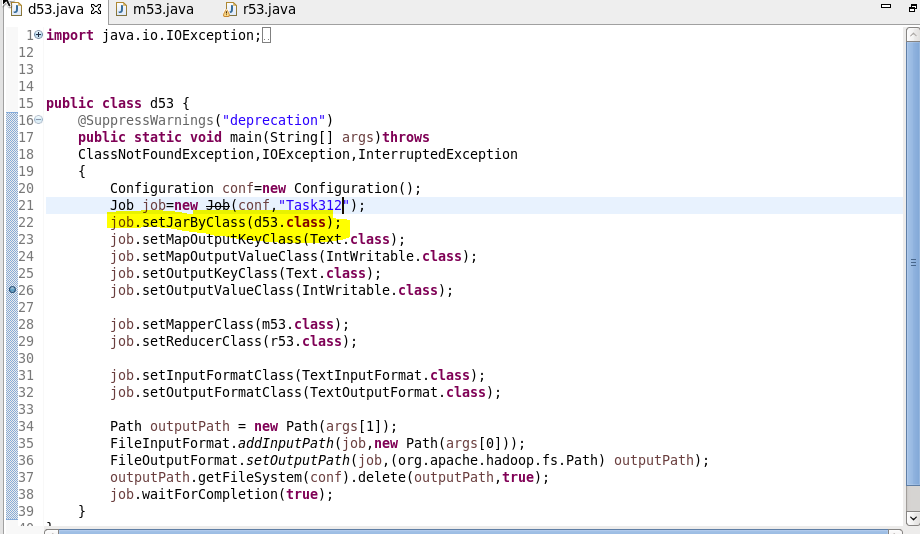


Output

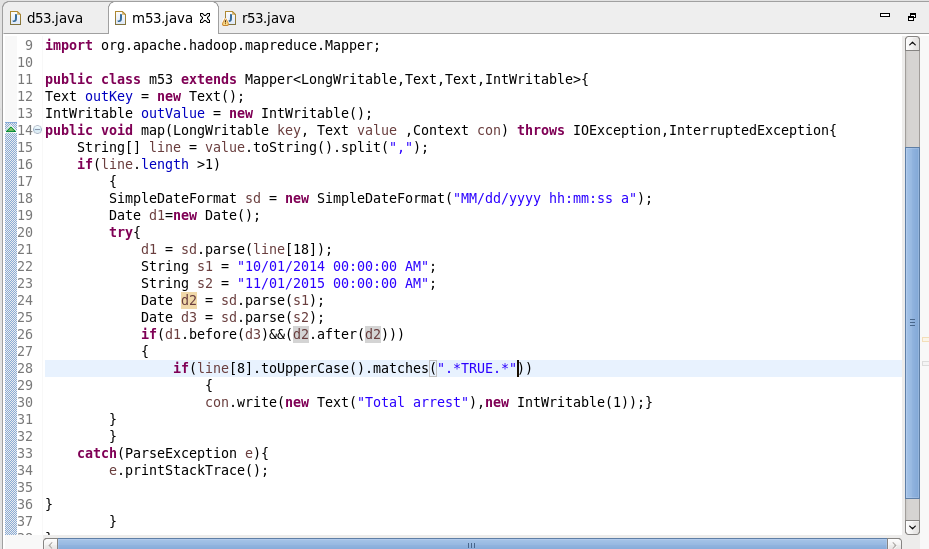


Ques4)

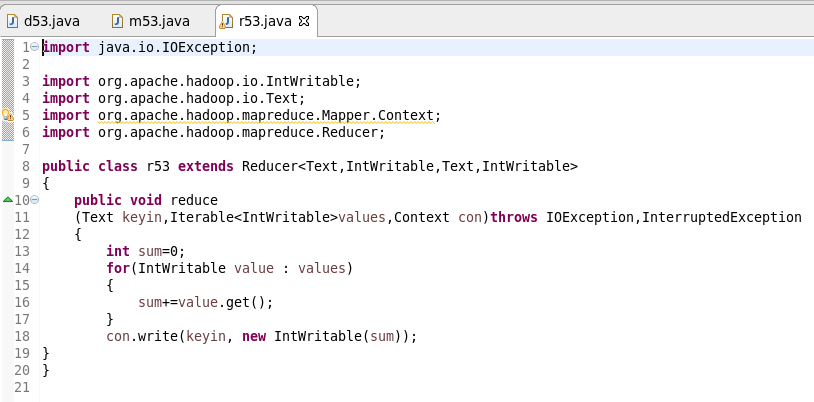
Driver

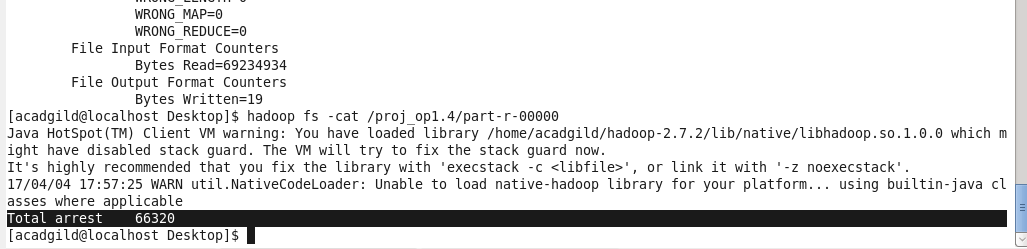


Mapper



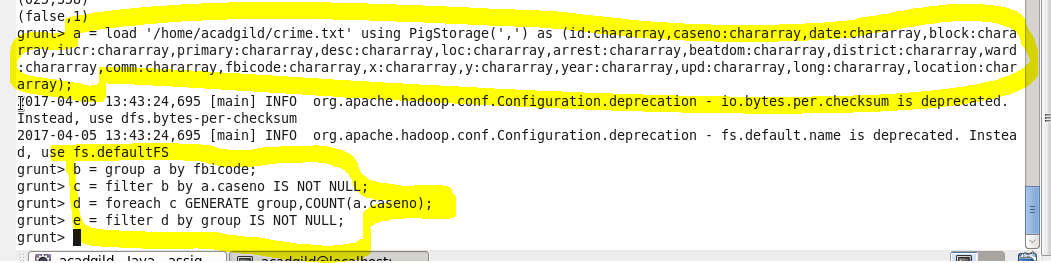
Reducer

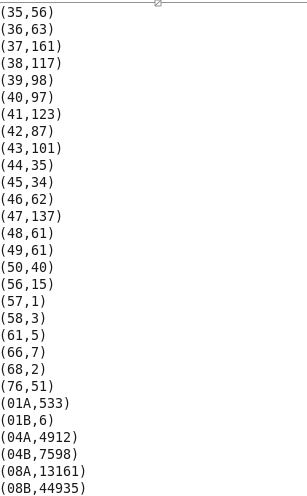




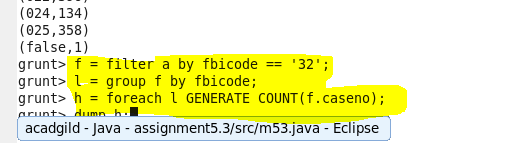
Pig script

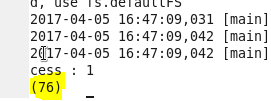
Ques1)



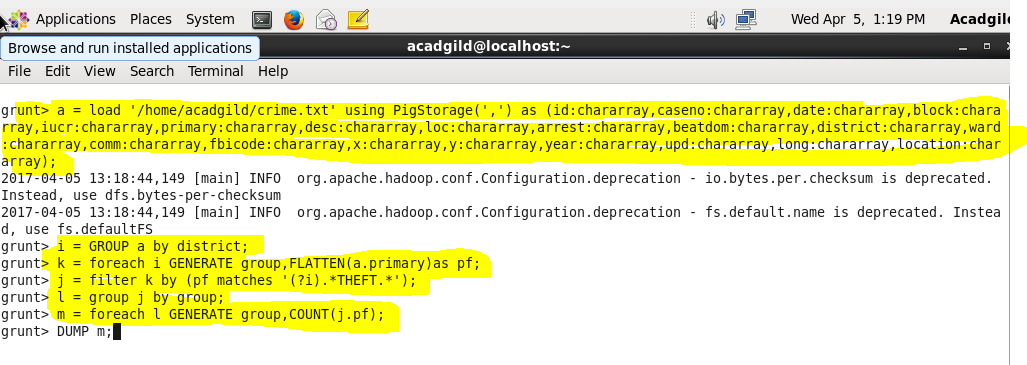


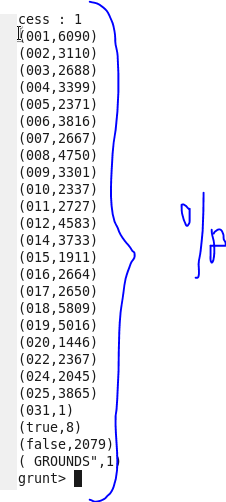
Q2)





Q3)





Q4)

