**PROJECT 1**

DATA DESCRIPTION :

**This dataset contains attributes related to crimes taking place in various areas like type of** **crimes:**

FBI code related to that criminal case, arrest frequency, location ofcrime etc.

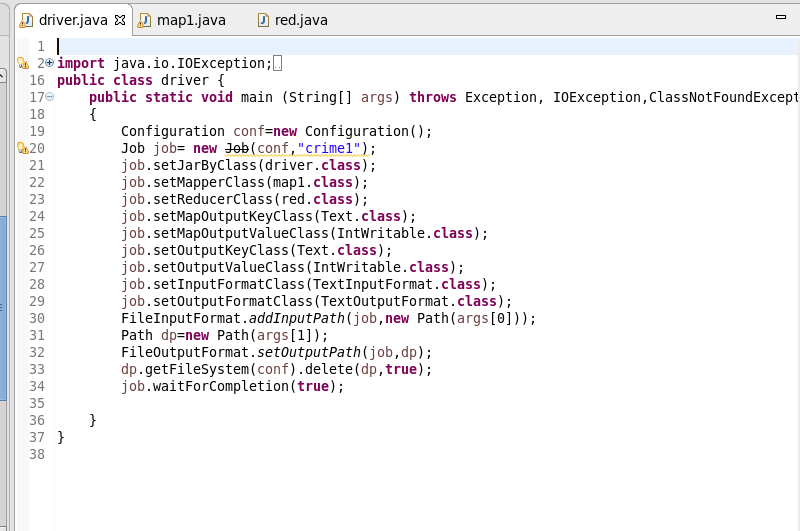
The various fields in the data in the followining order

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 .

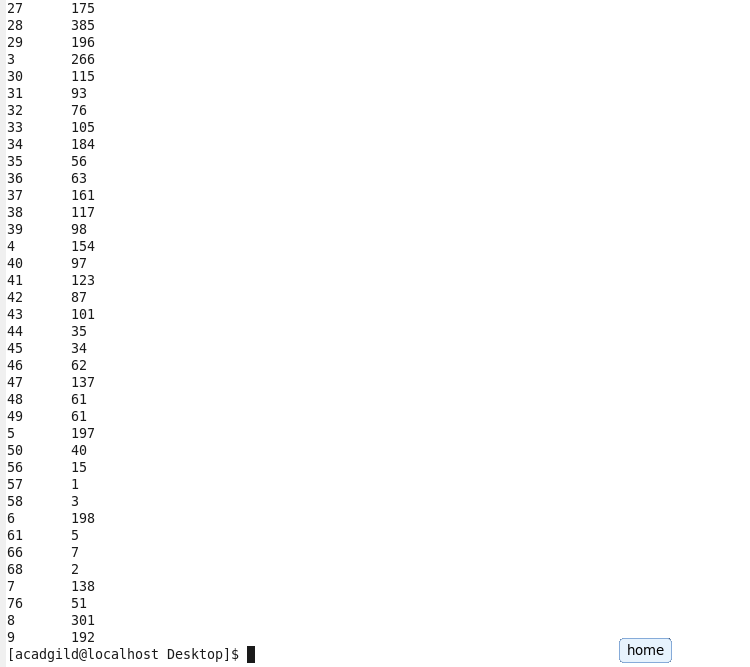
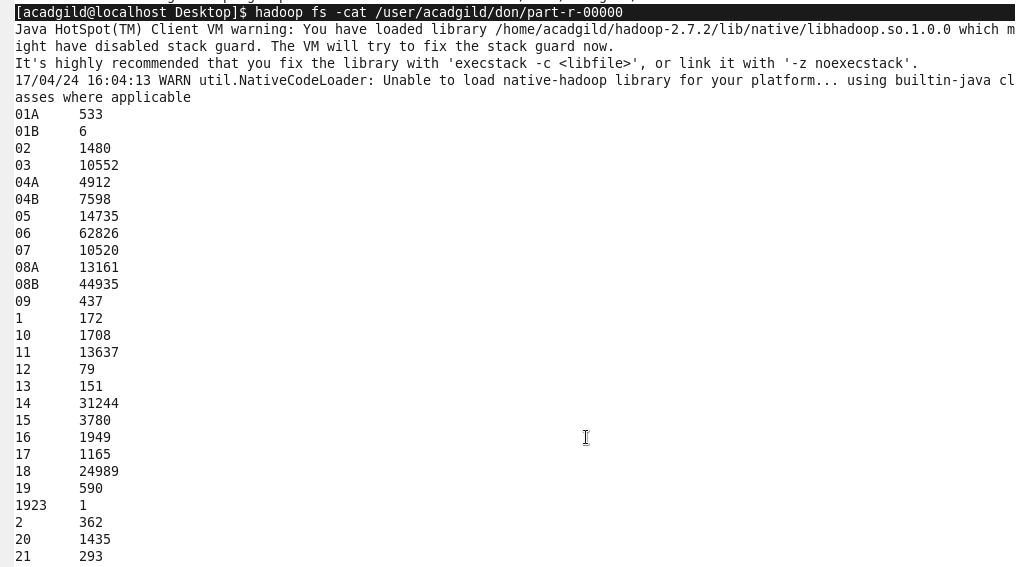
**QN1 1. Write a mapreduce and pig program to calculate the number of cases investigated under each FBI code.**

**DRIVER CLASS:** 

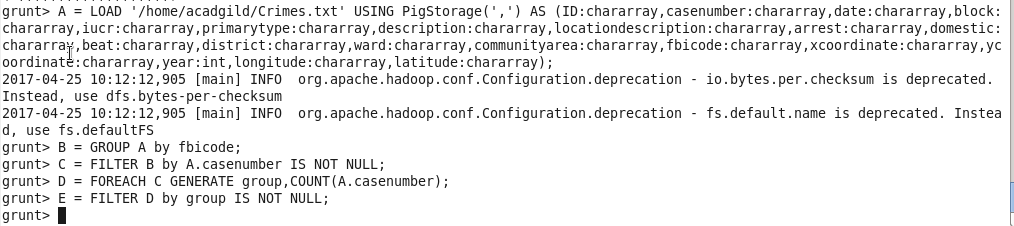
**MAPPER CLASS:**

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**REDUCER CLASS:**

**OUTPUT: **

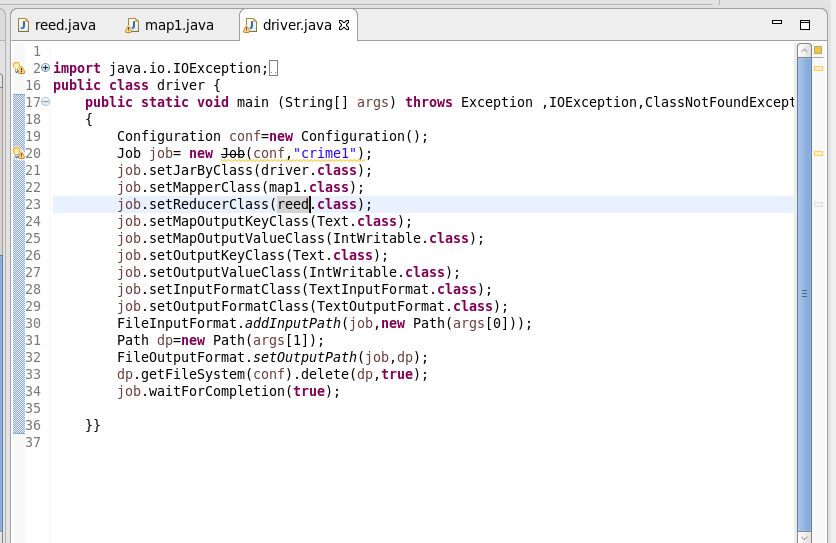
**PIG SCRIPT :**

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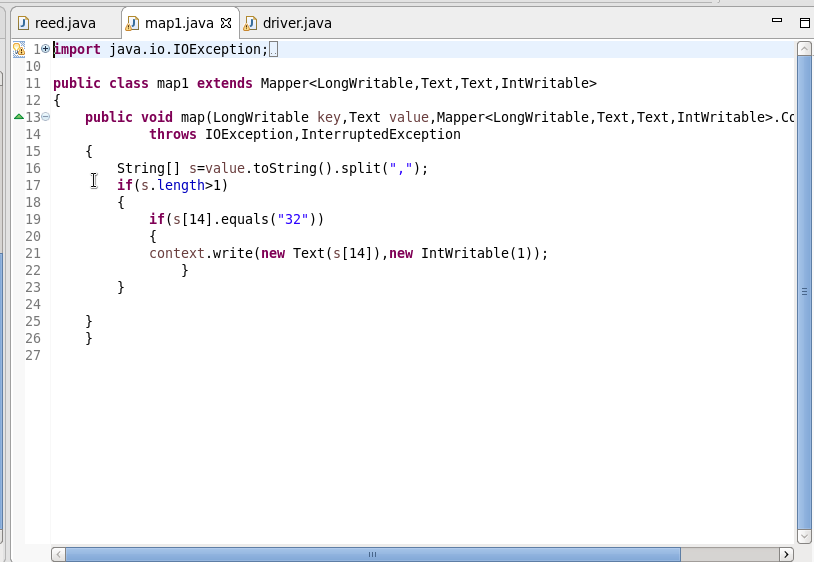
**OUTPUT : **

****

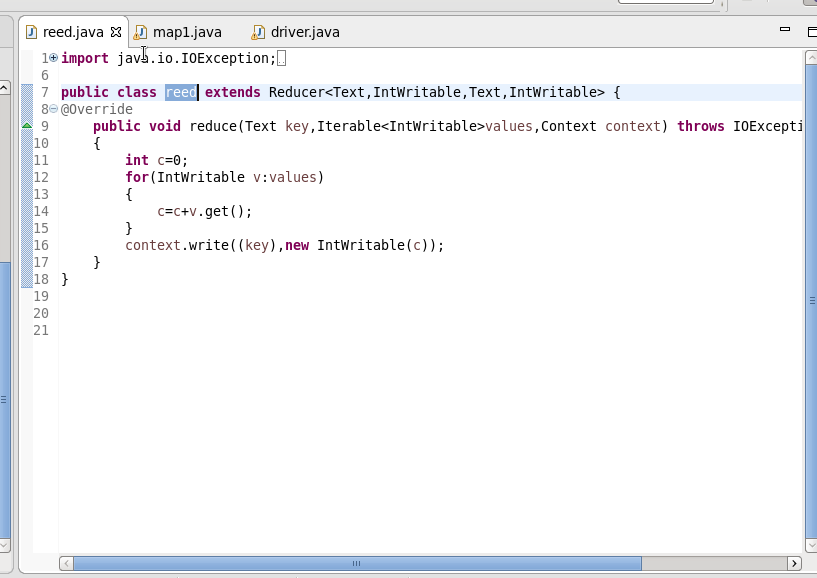
**QN2: Write a mapreduce and pig program to calculate the number of cases investigated under FBI code 32.**

**DRIVER CLASS:** 

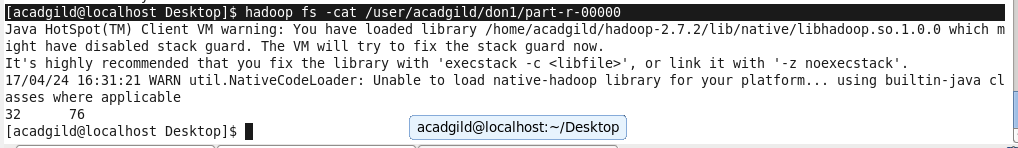
**MAPPER CLASS:**

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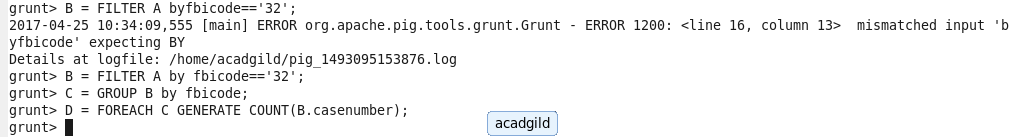
**REDUCER CLASS:**

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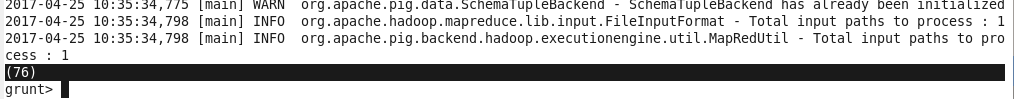
**OUTPUT :**

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**PIG SCRIPT :**

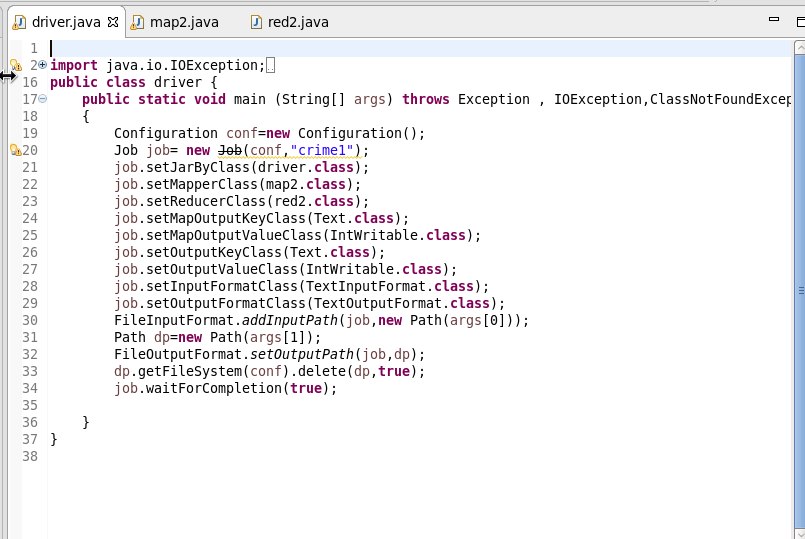
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**OUTPUT:**

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**QN3. Write a mapreduce and pig program to calculate the number of arrests in theft district wise.**

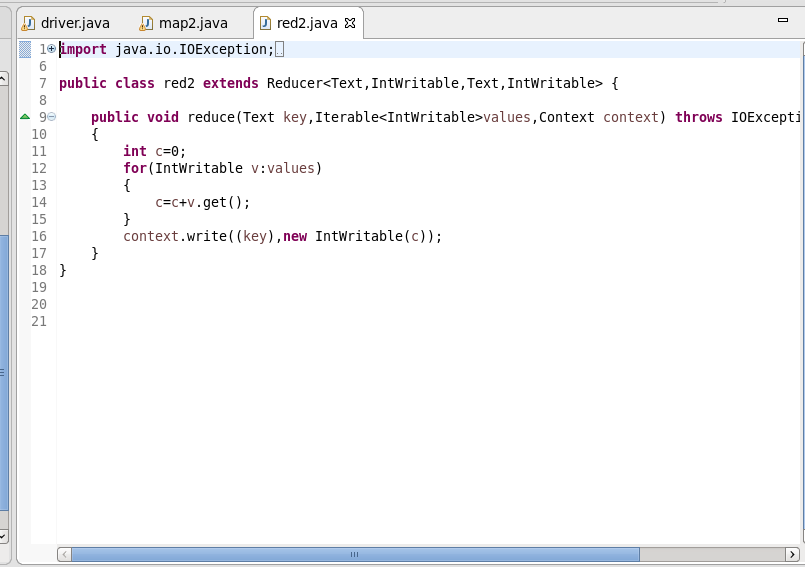
**DRIVER CLASS:**



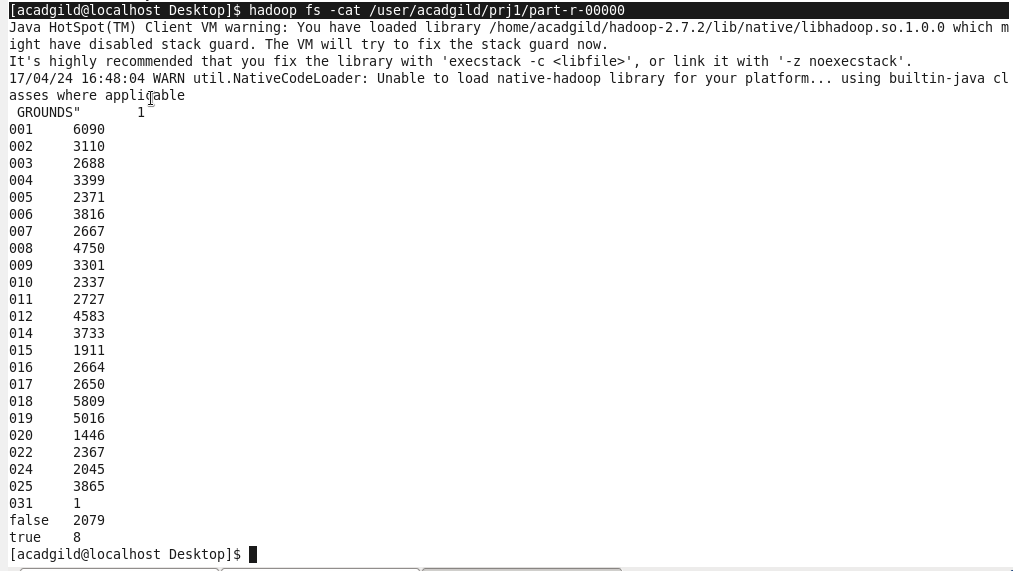
**MAPPER CLASS:**

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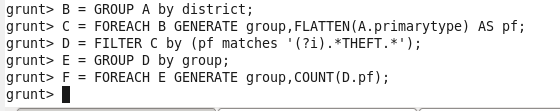
**REDUCER CLASS :**

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**OUTPUT :**

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**PIG SCRIPT:**

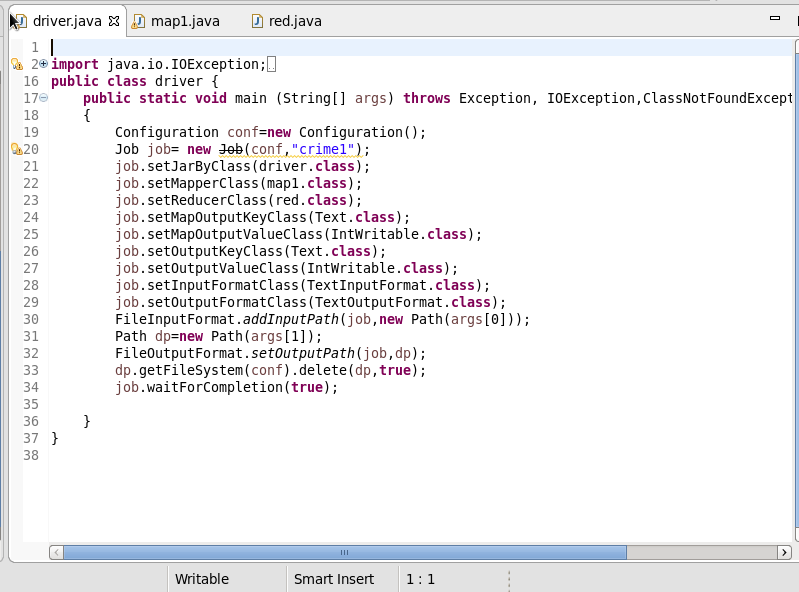
****

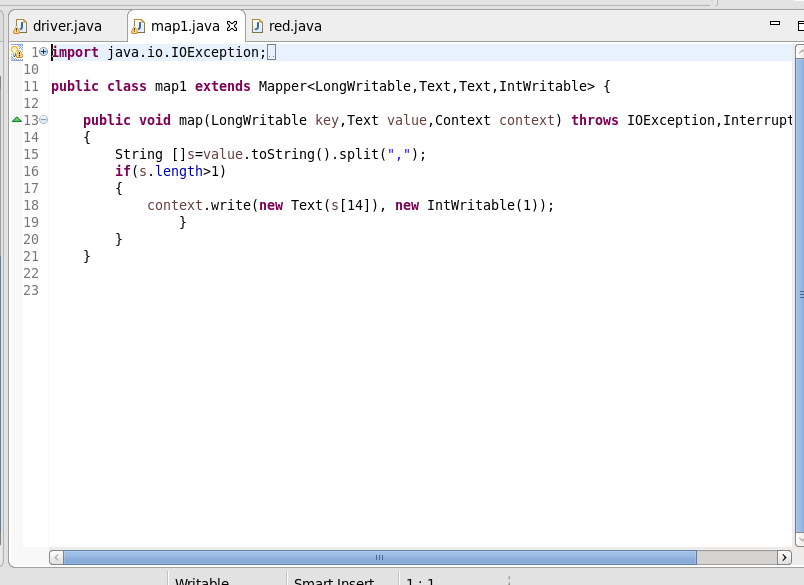
**OUTPUT:**

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**QN4.Write a mapreduce and pig program to calculate the number of arrests done between October 2014 and October 2015.**

**DRIVER CLASS :**

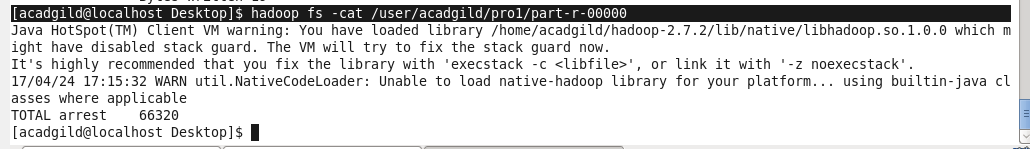
****

**MAPPER CLASS : **

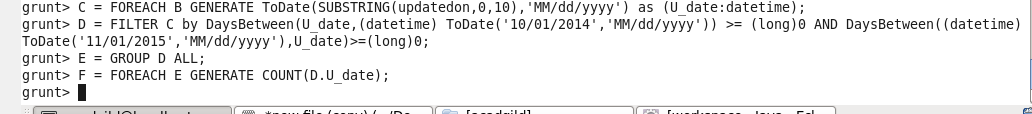
**REDUCER CLASS :**

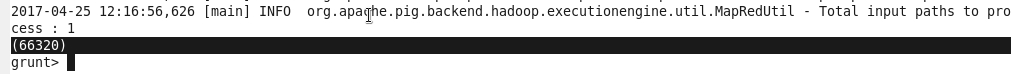
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**OUTPUT:**

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**PIG SCRIPT:**

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**OUTPUT: **