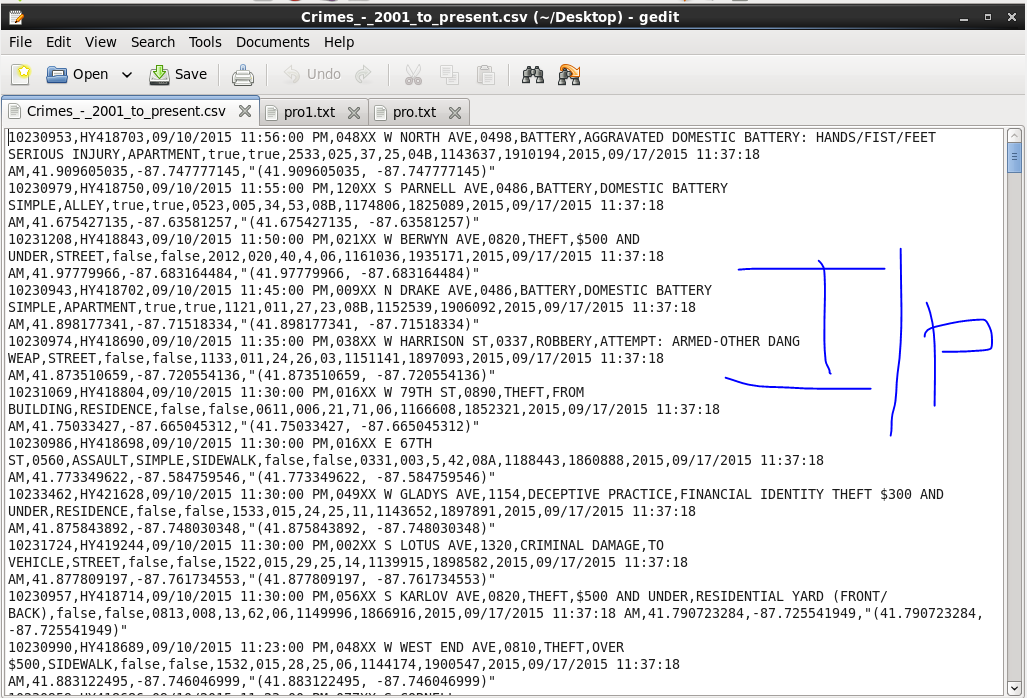
**Problem Statement-**

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.

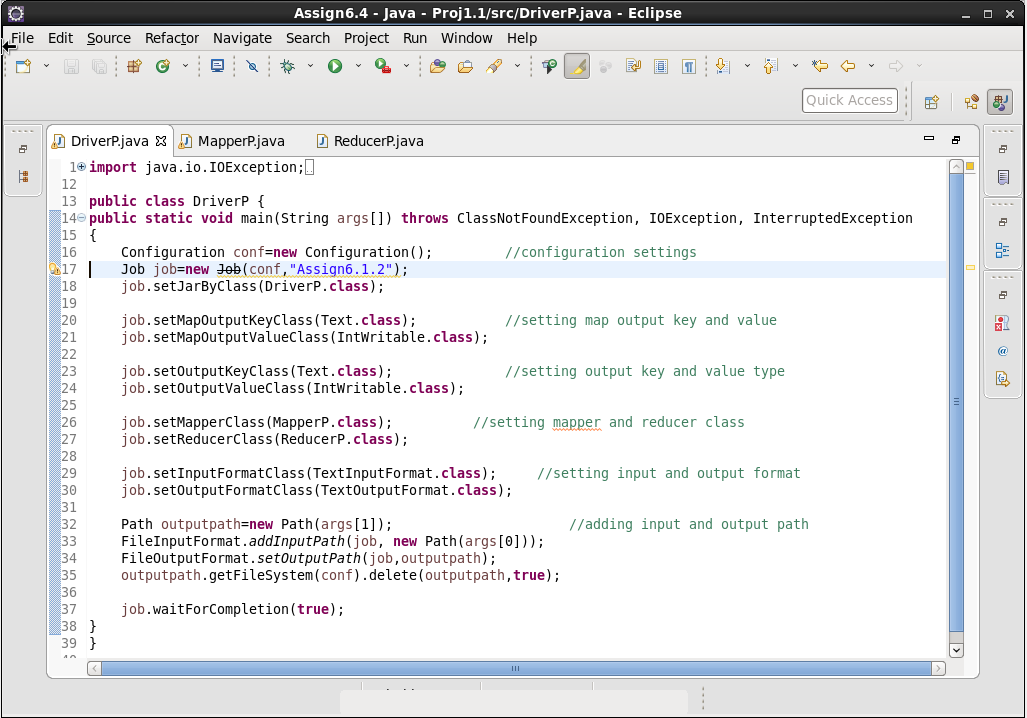
**INPUT FILE-**

****

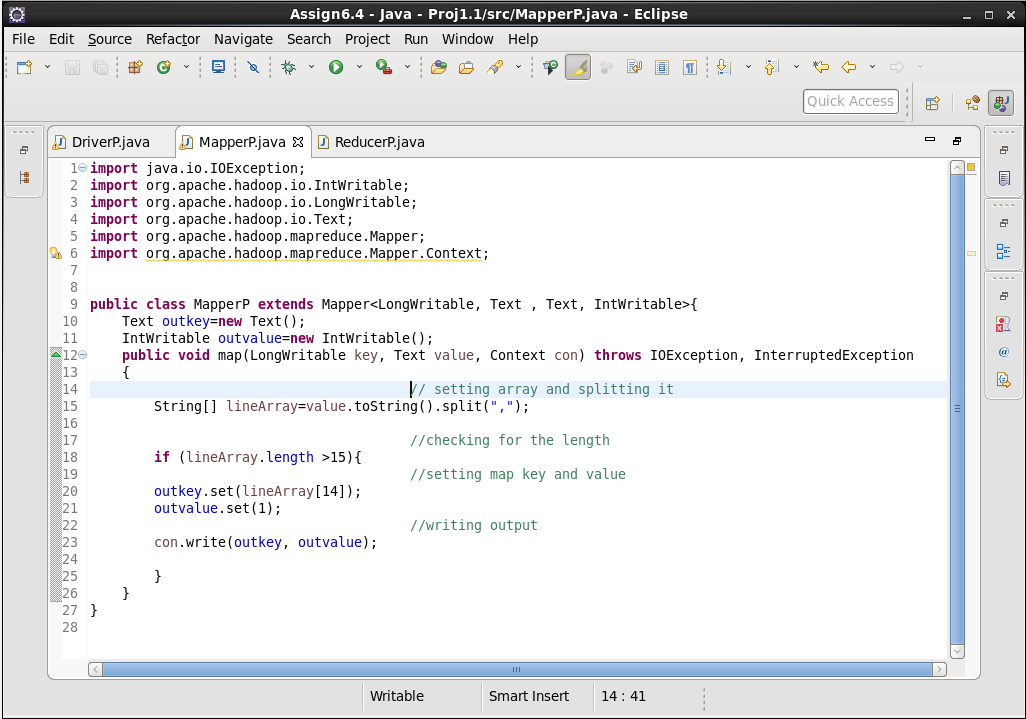
1. **Write a mapreduce and pig program to calculate the number of cases investigated under each FBI code.**

**Solution with Map Reduce-**

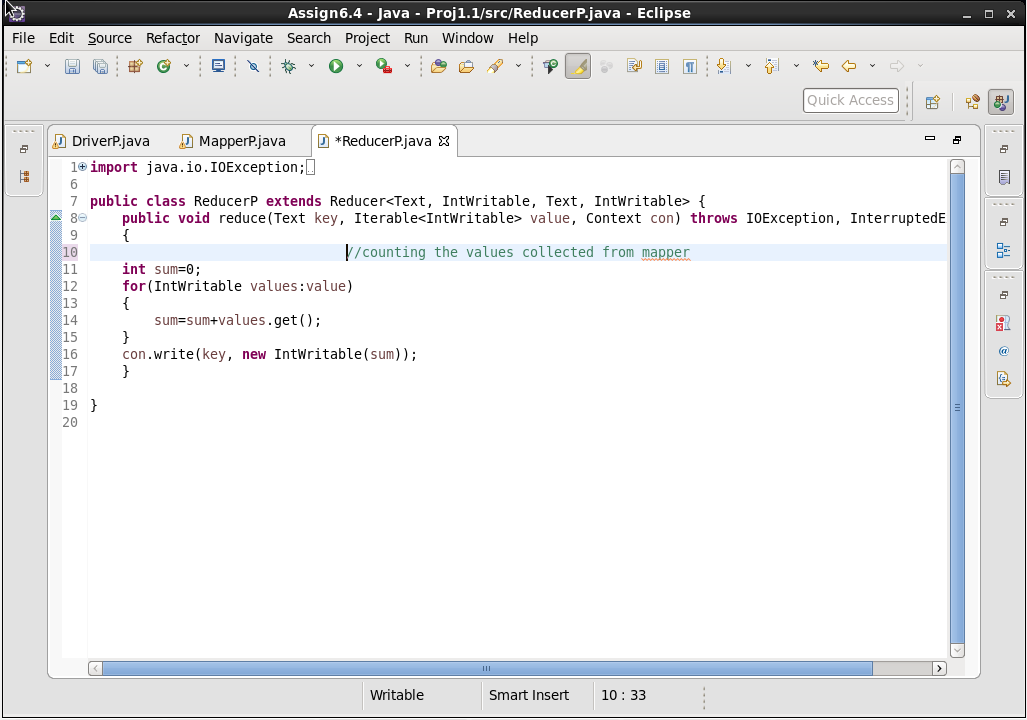
**Driver Class-**

****

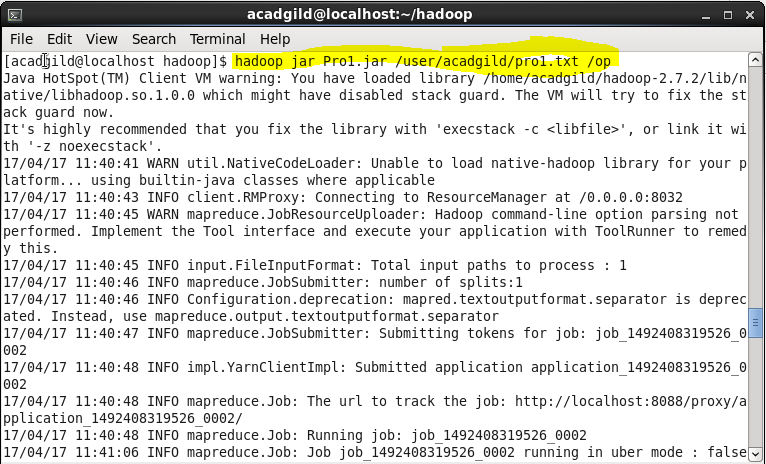
**Mapper Class-**

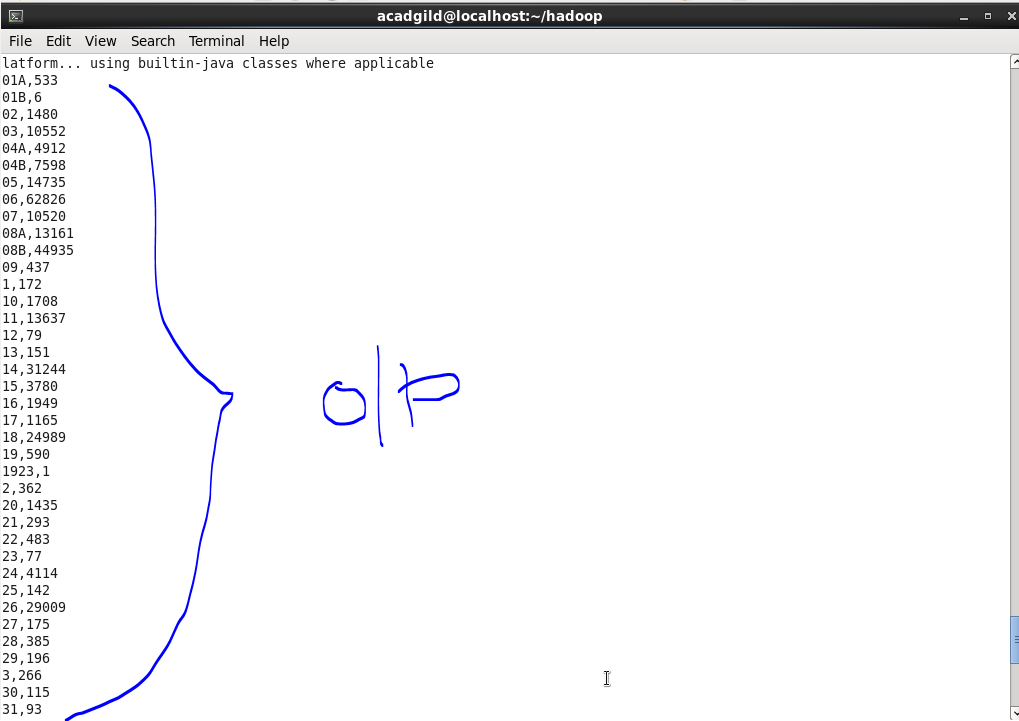
****

**Reducer Class-**

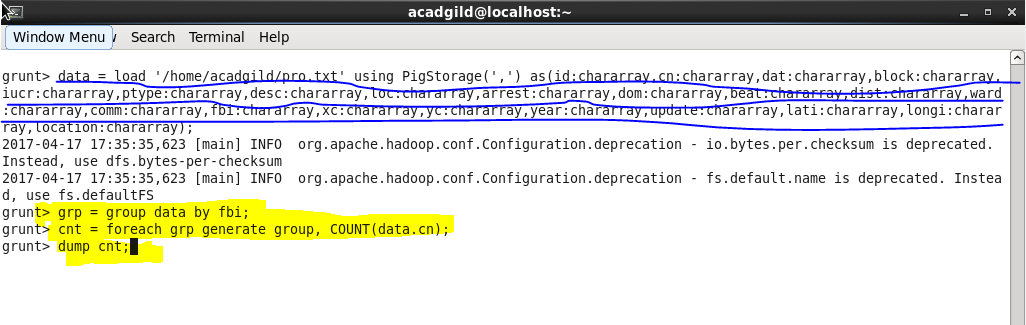
****

**Output-**

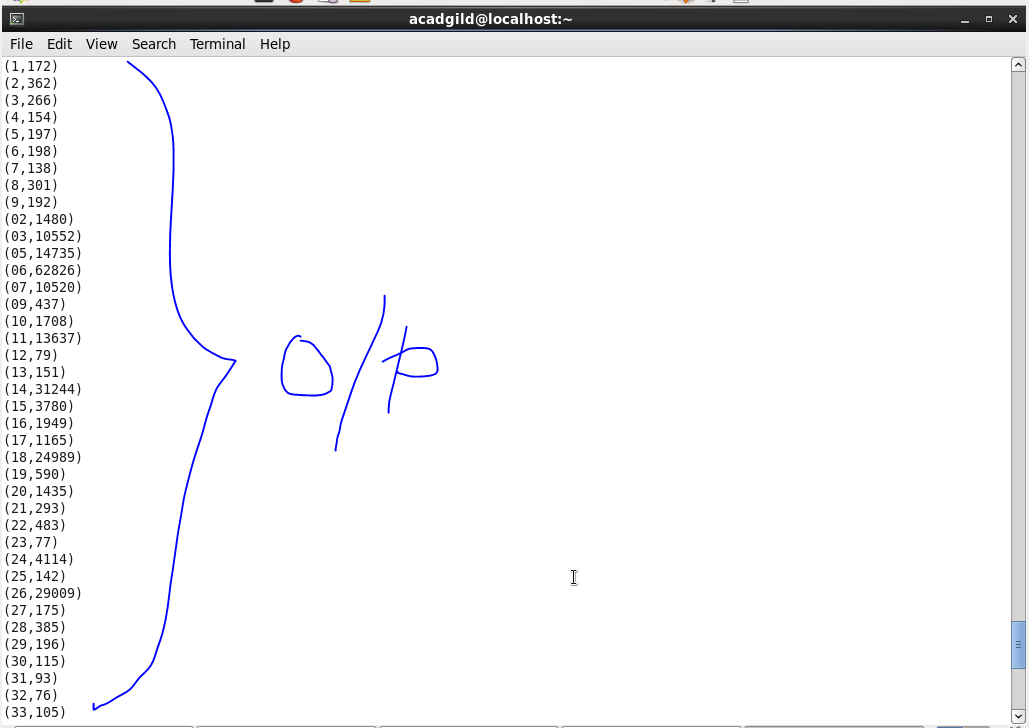
****

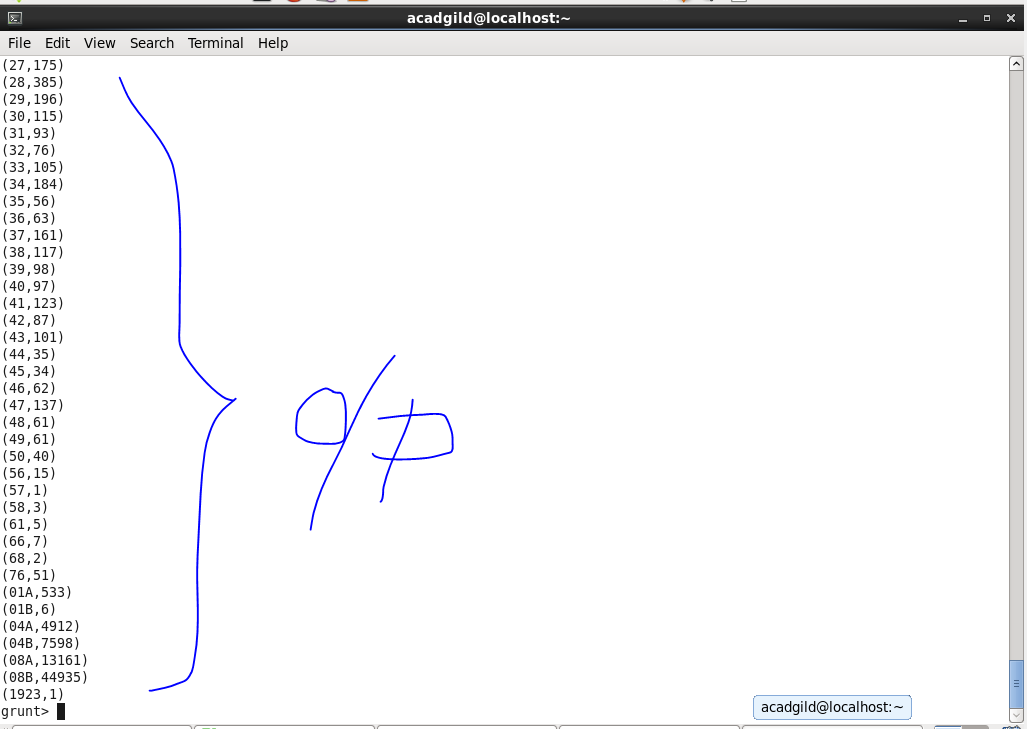
****

**Solution with PIG-**

****

**Output-** Output is same as we got by Map Reduce.

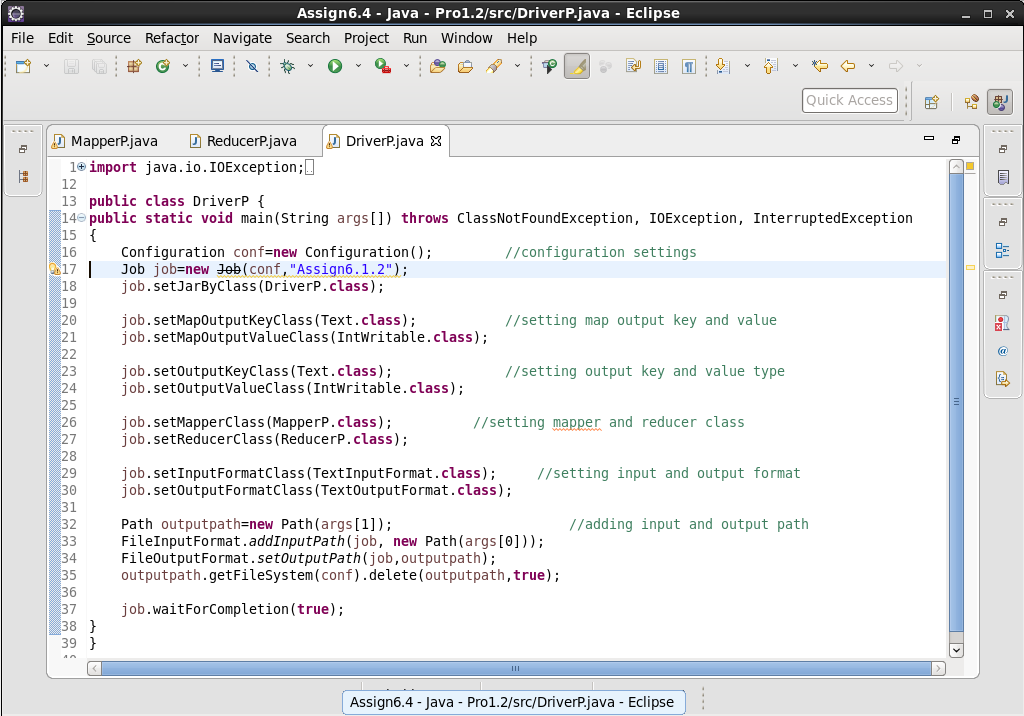
****

****

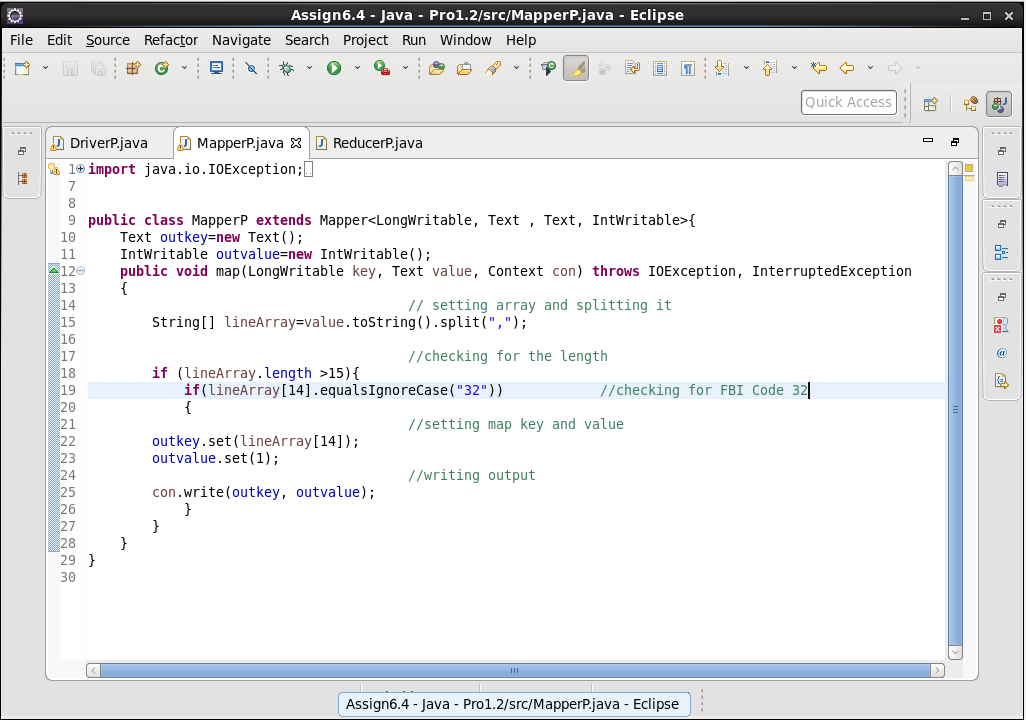
1. **Write a mapreduce and pig program to calculate the number of cases investigated under FBI code 32.**

**Solution by Map Reduce-**

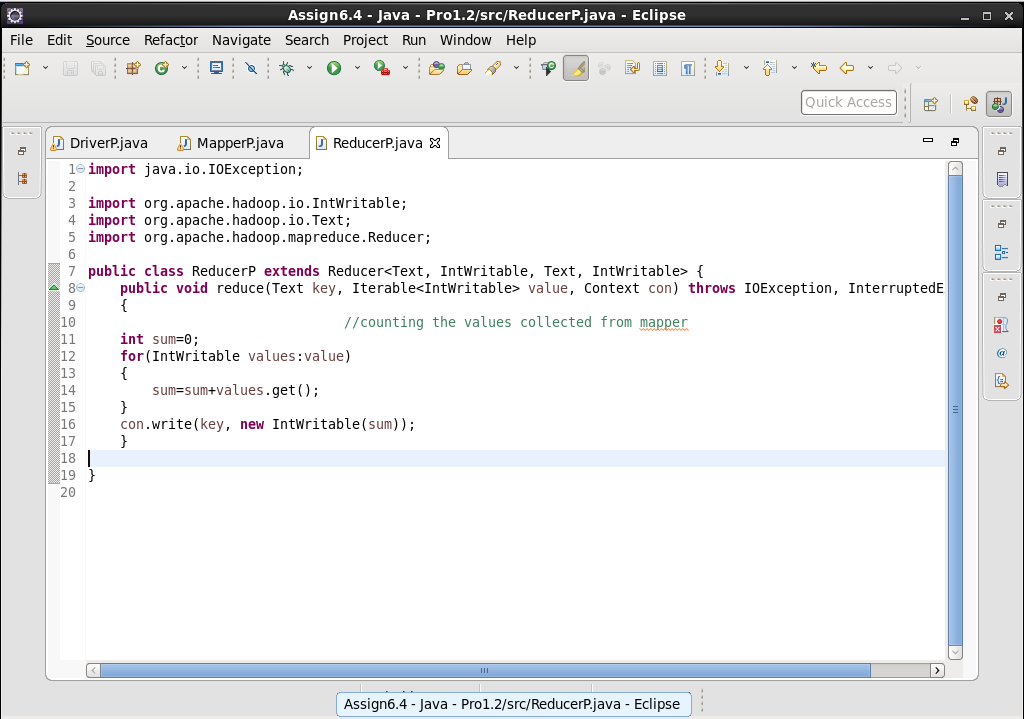
**Driver Class-**

****

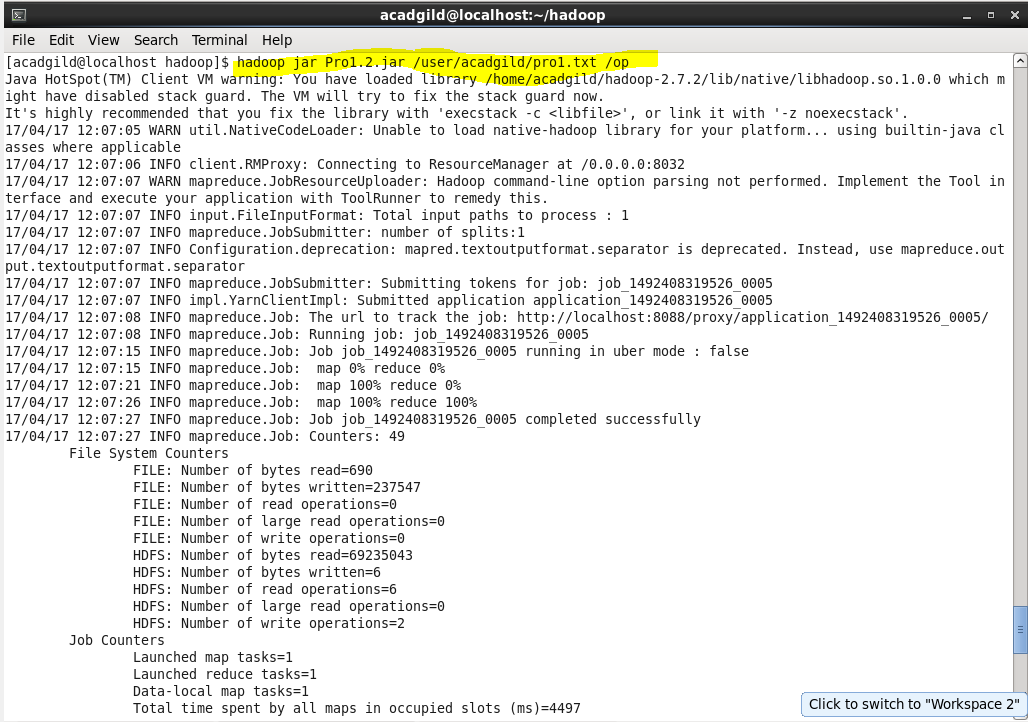
**Mapper Class-**

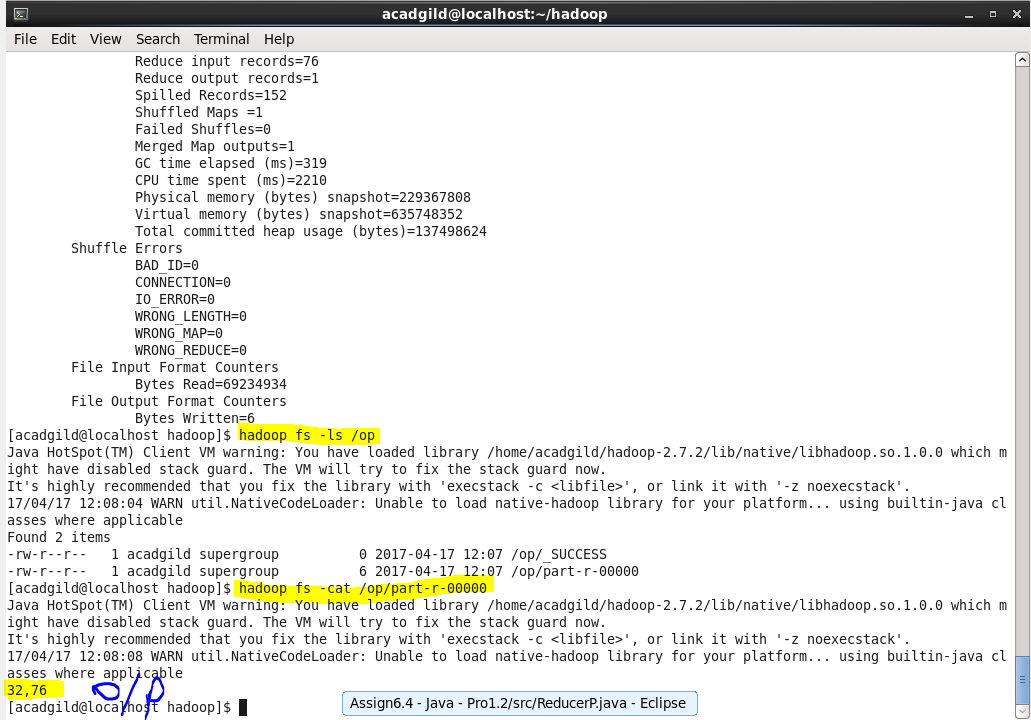
****

**Reducer Class-**

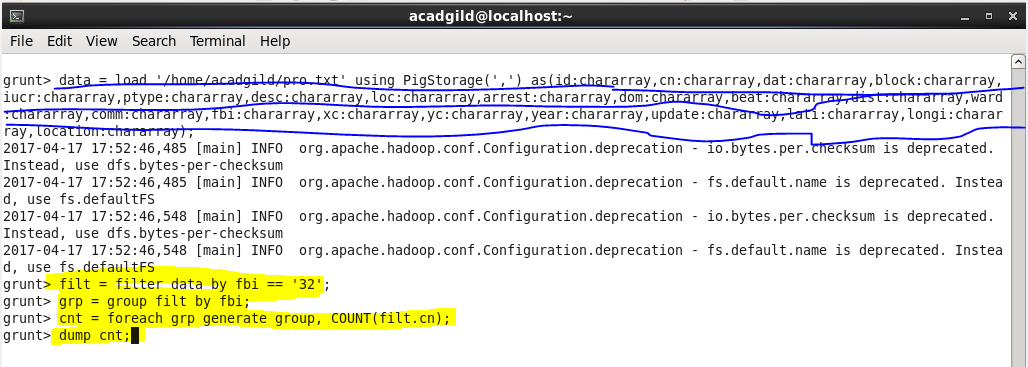
****

**Output-**

****

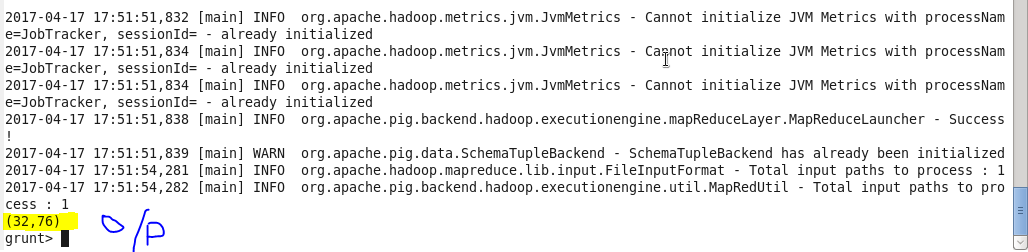
****

**Solution by PIG-**

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**Output-**

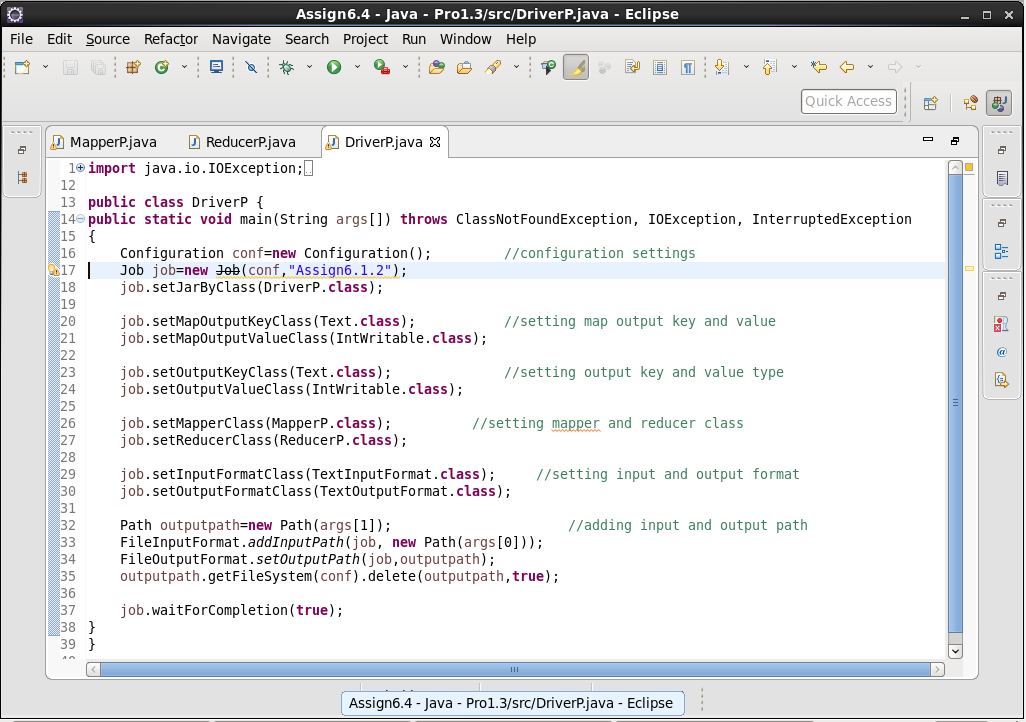
Output is same as by Map Reduce.

****

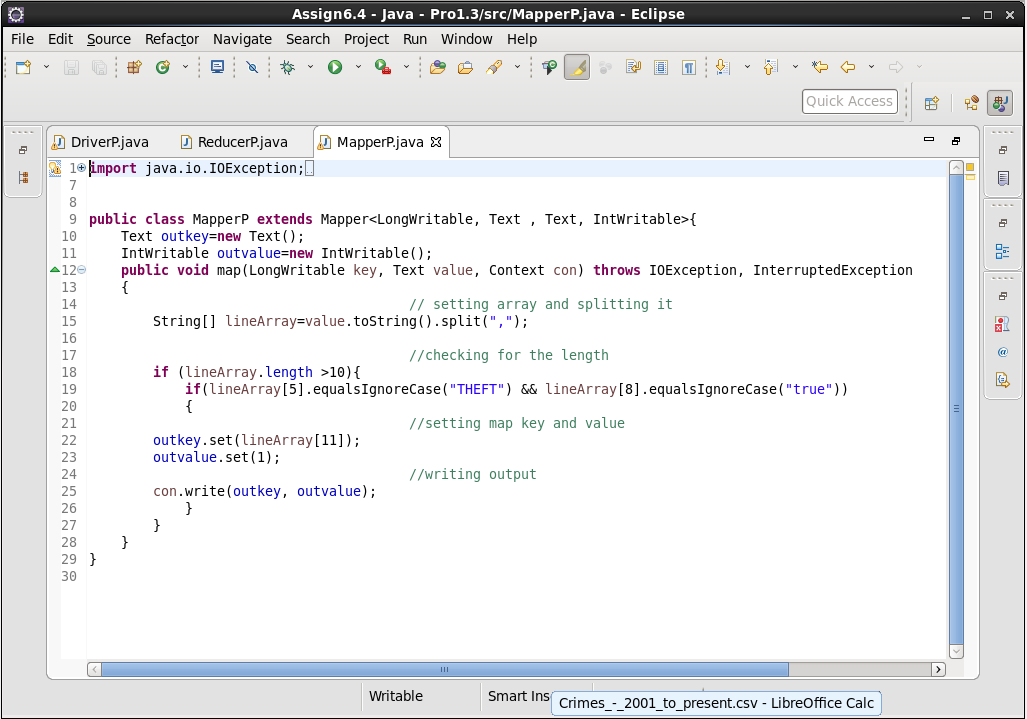
1. **Write a mapreduce and pig program to calculate the number of arrests in theft district wise.**

**Solution by Map Reduce-**

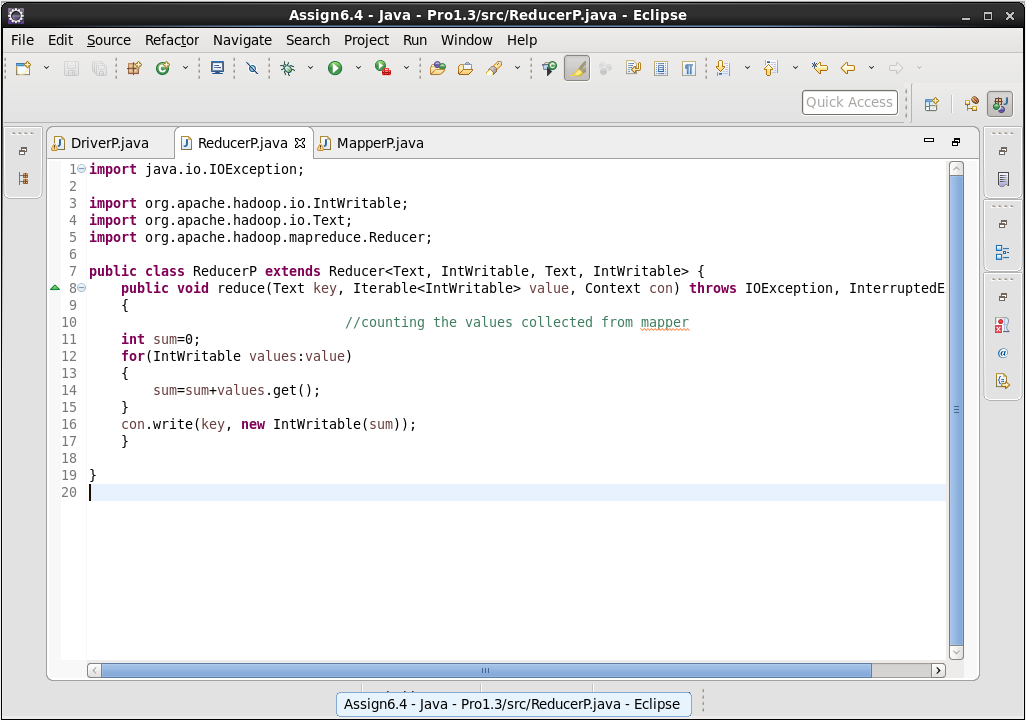
**Driver Class-**

****

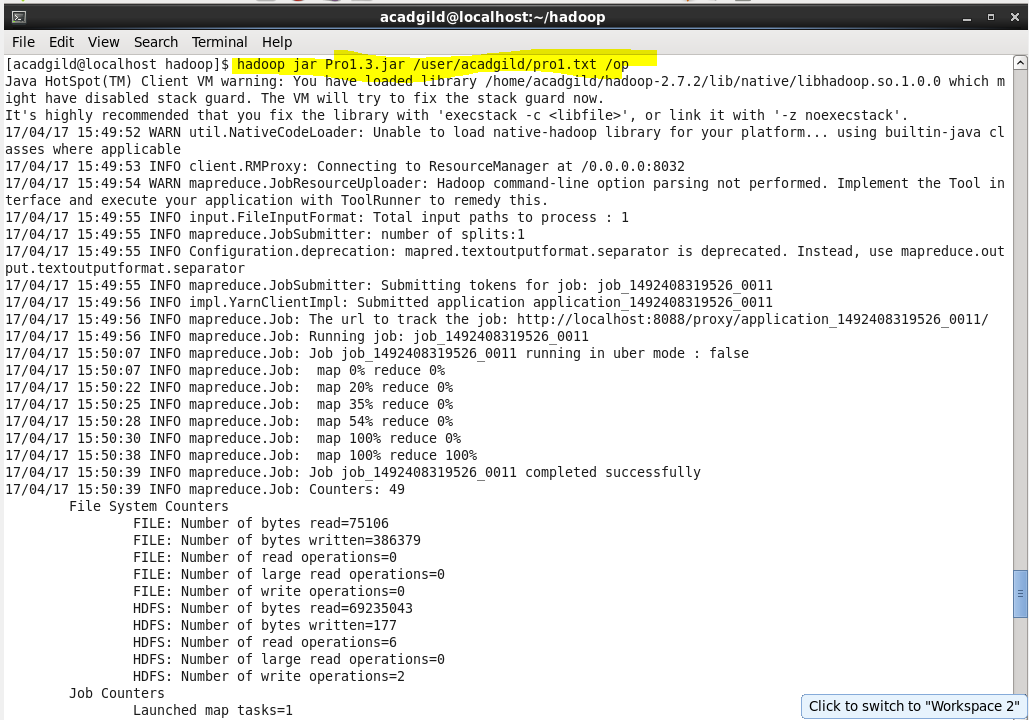
**Mapper Class-**

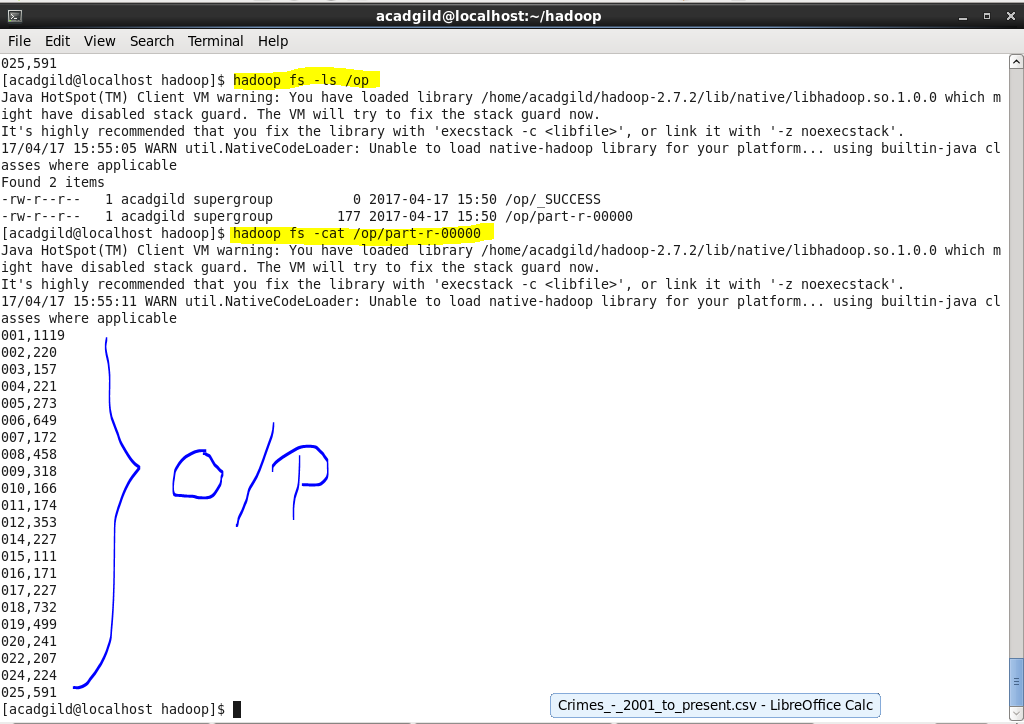
****

**Reducer Class-**

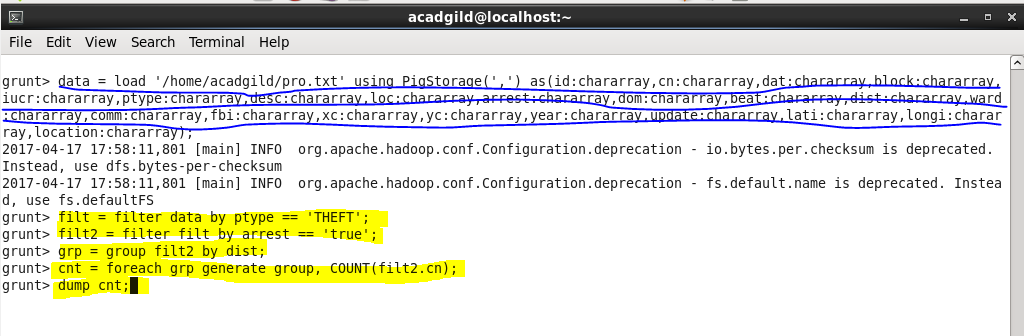
****

**Output-**

****

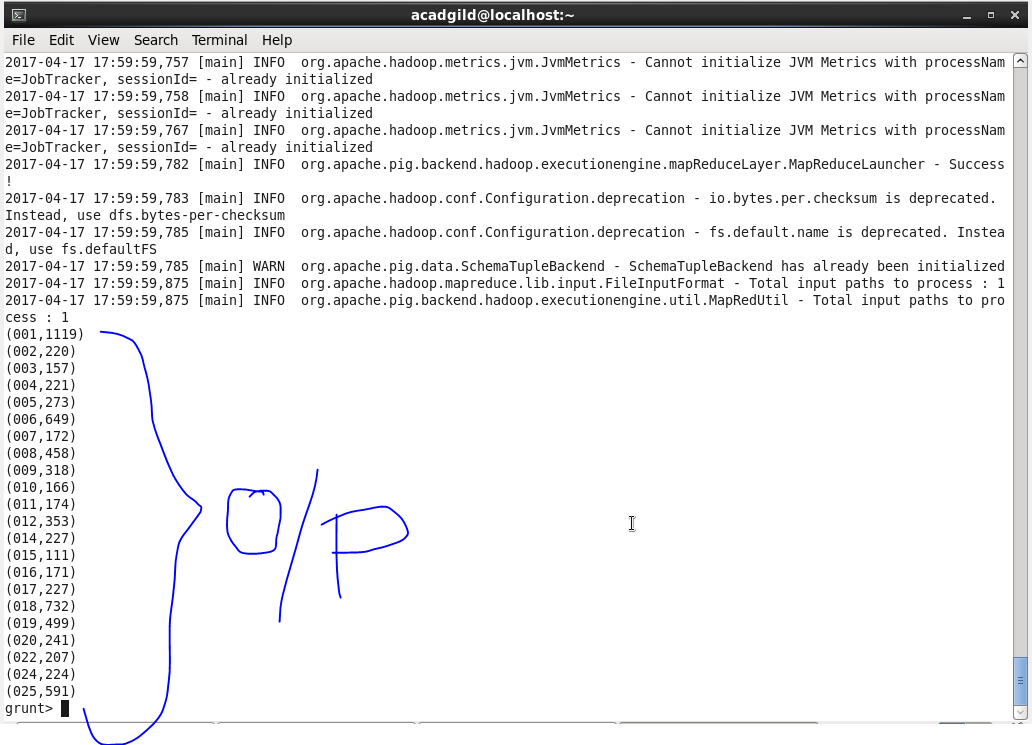
****

**Solution by PIG-**

****

**Output-**

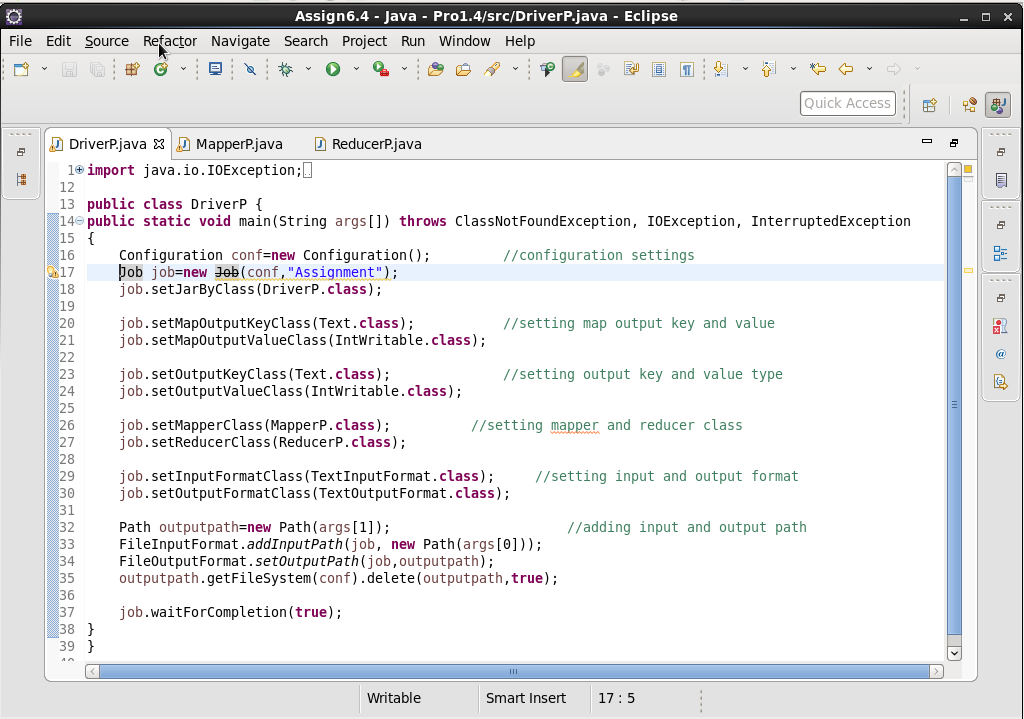
Output is same as by MapReduce.

****

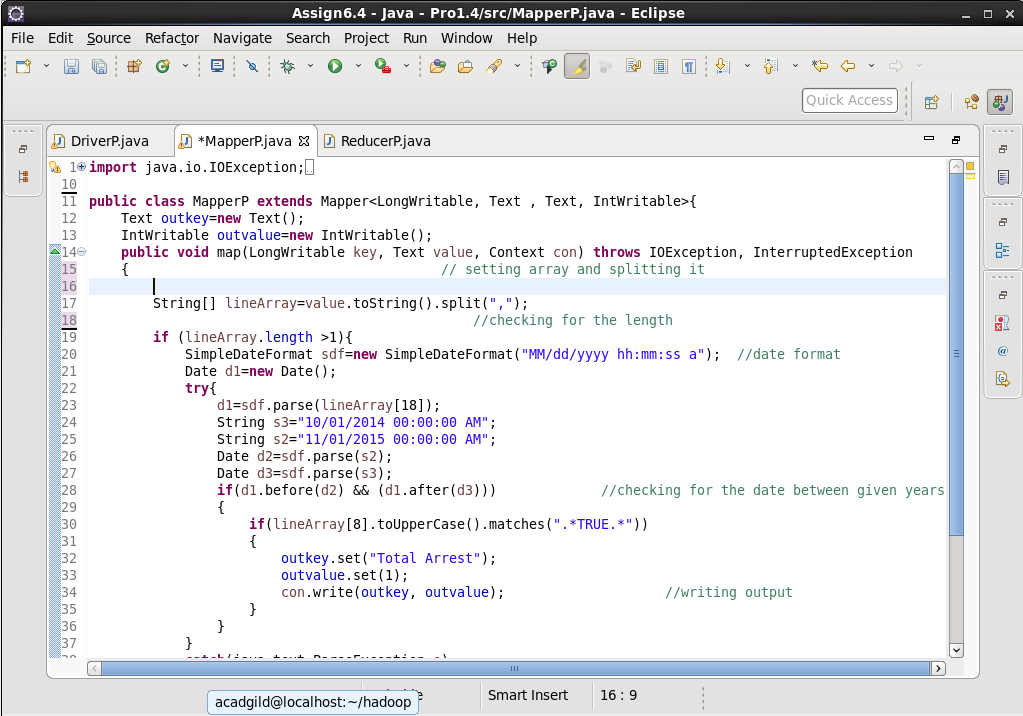
1. **Write a mapreduce and pig program to calculate the number of arrests done between October 2014 and October 2015.**

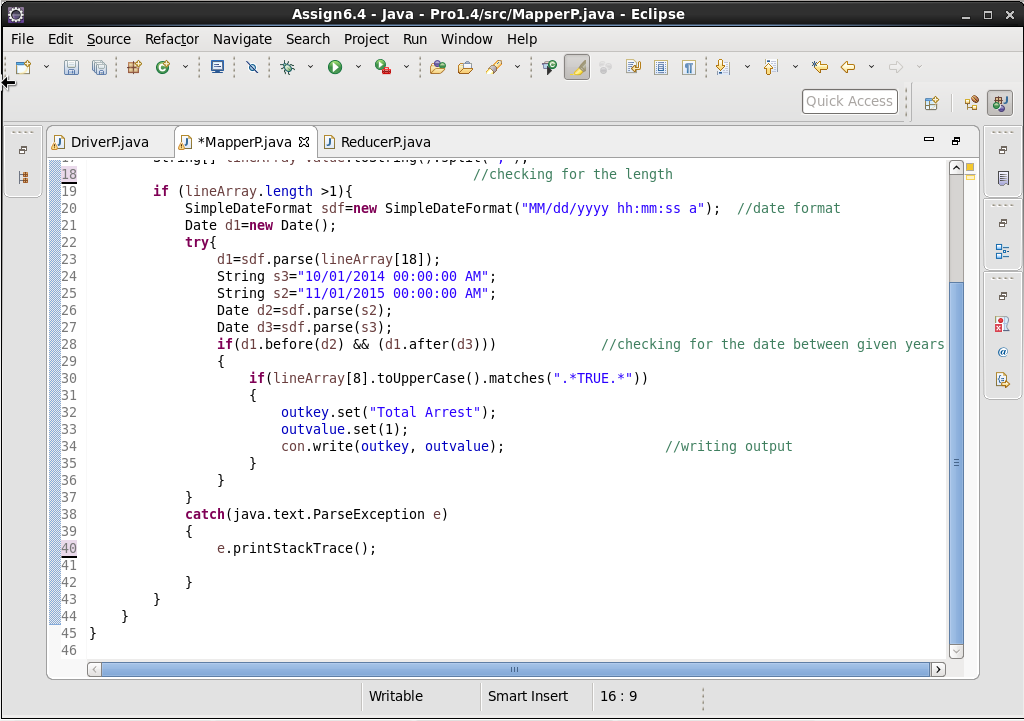
**Solution by MapReduce-**

**Driver Class-**

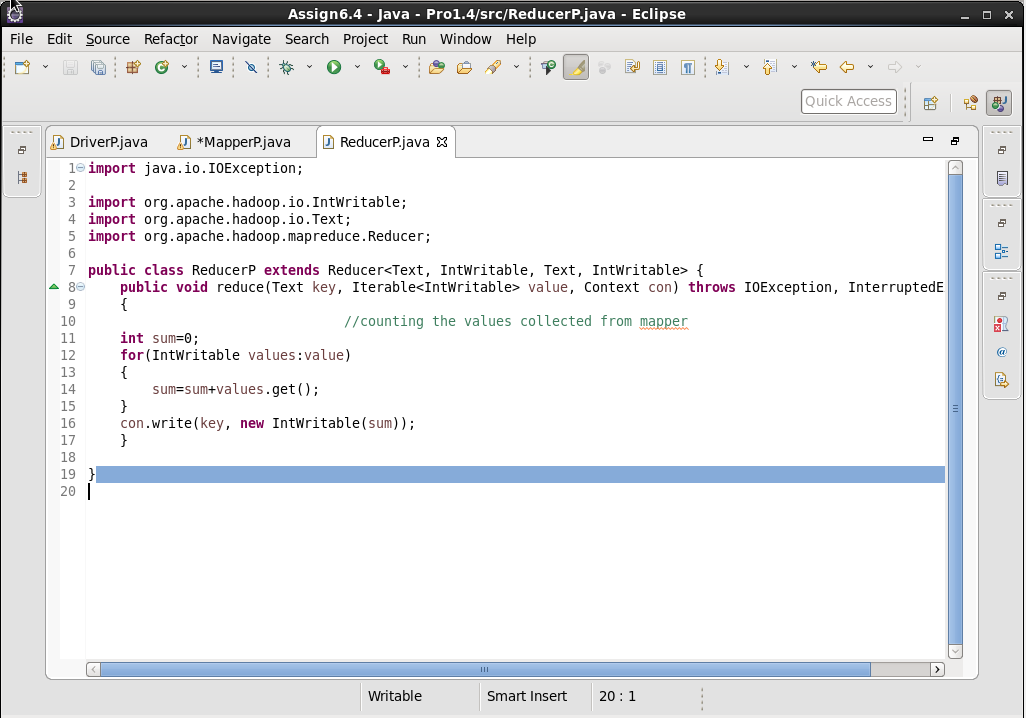
****

**Mapper Class-**

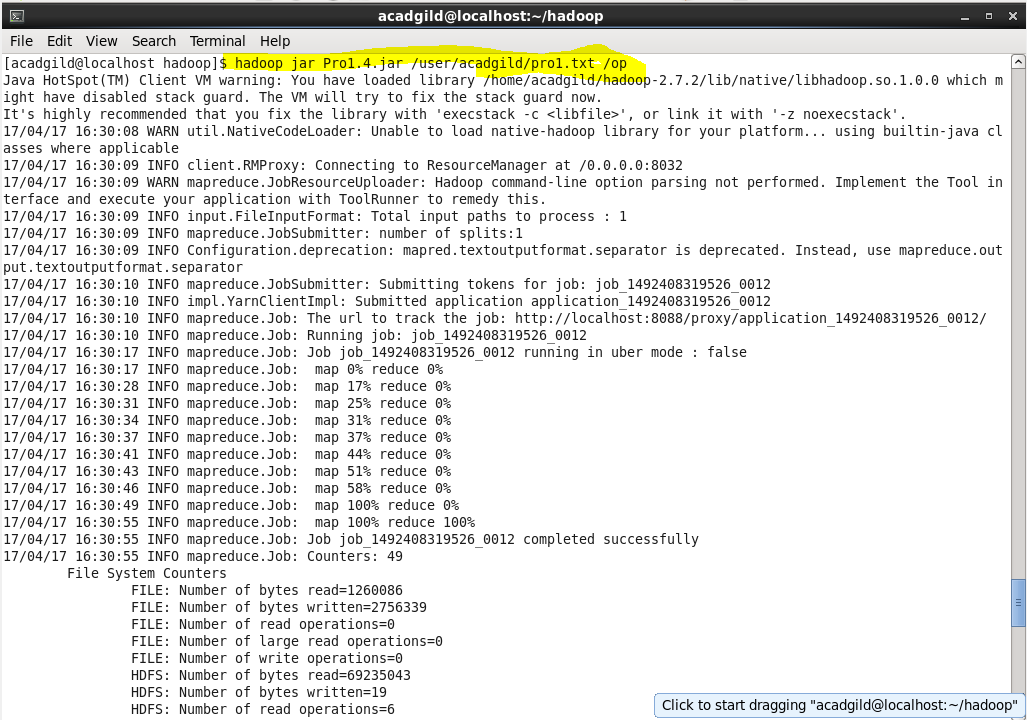
****

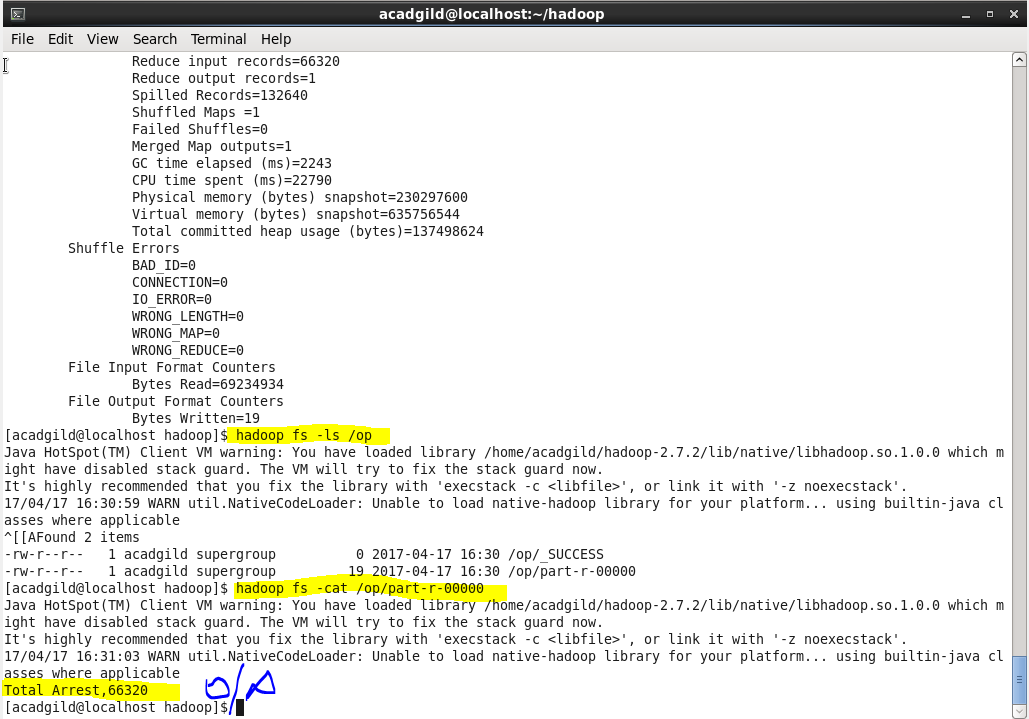
****

**Reducer Class-**

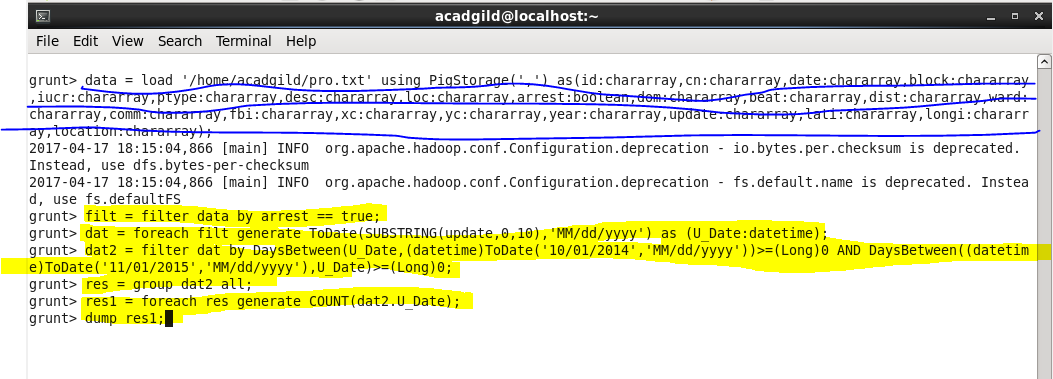
****

**Output-**

****

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**Solution by PIG-**

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**Output-**

Output is same as by MapReduce-

