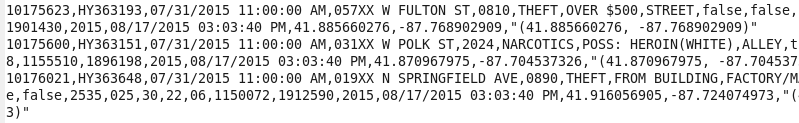
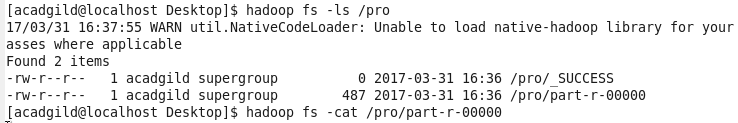
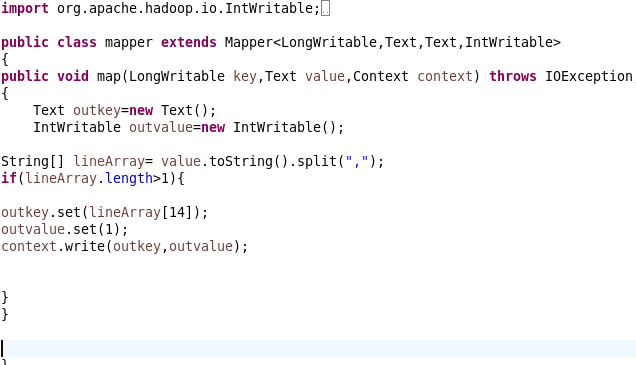
**INPUT**

****

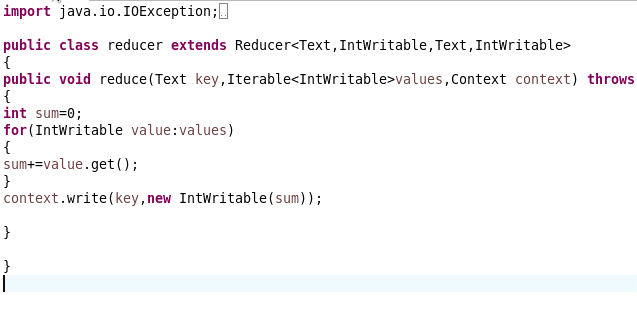
****

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

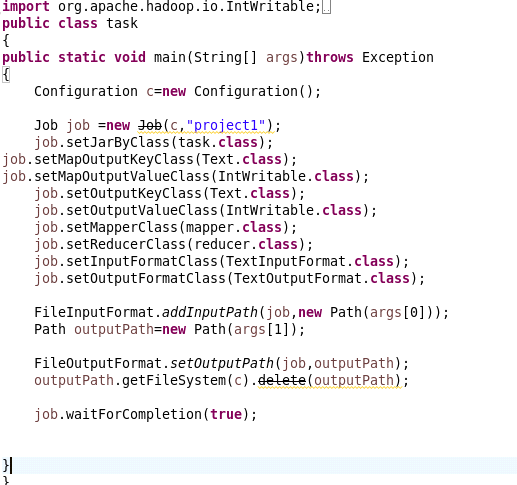
**USING MAP REDUCE**

**MAPPER **

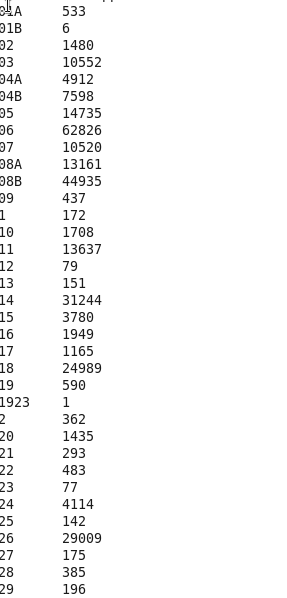
**REDUCER**

****

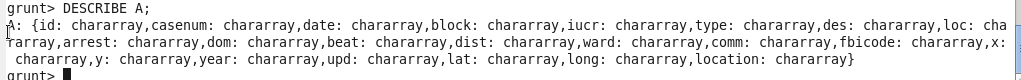
**DRIVER**

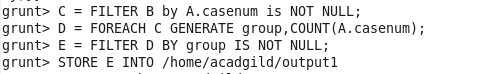
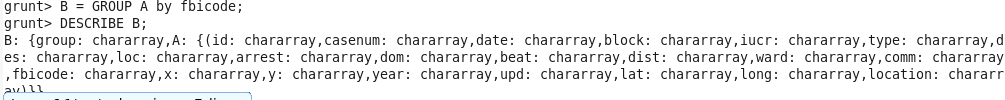
****

**OUTPUT**

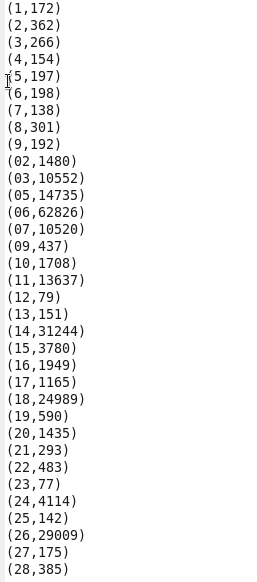
****

**USING PIG**

****



**OUTPUT**



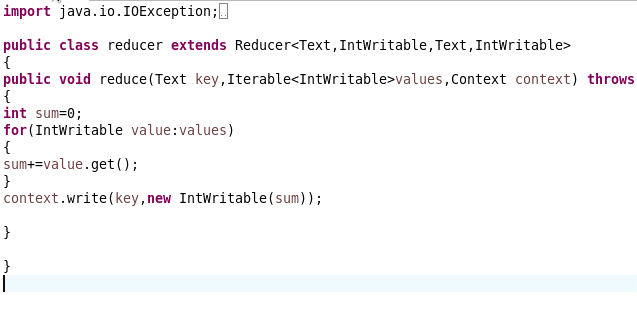
**2. Write a mapreduce and pig program to calculate the number of cases investigated undereach FBI code 32.**

**USING MAP REDUCE**

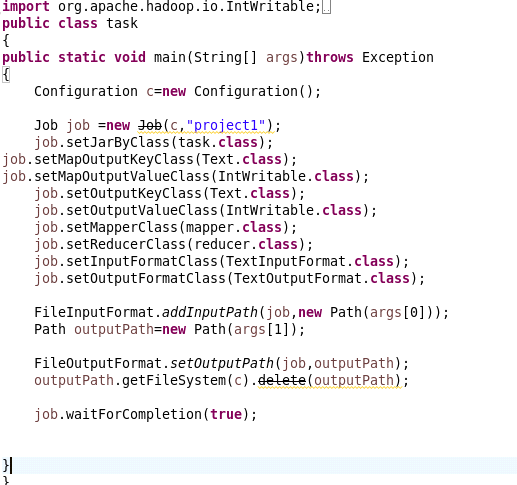
**MAPPER**

****

**REDUCER**

****

**DRIVER**

****

**OUTPUT**

****

**USING PIG**

****

**OUTPUT**



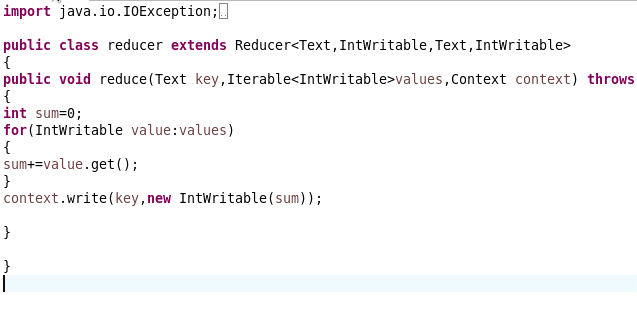
**3. Write a mapreduce and pig program to calculate the number of arrests in theft district wise.**

**USING MAP REDUCE**

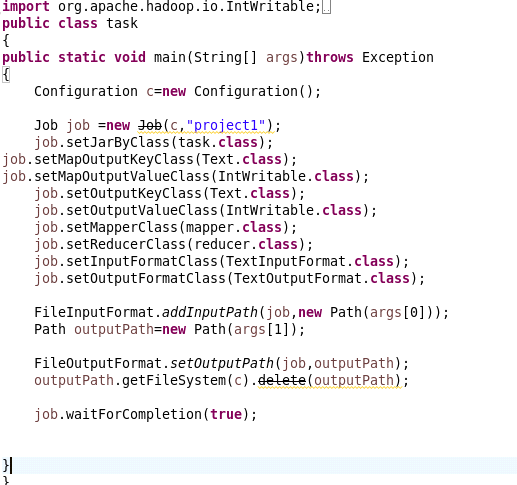
**MAPPER**

****

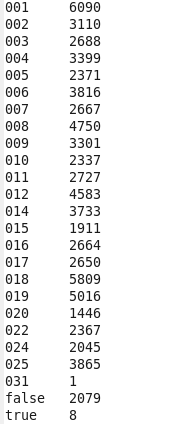
**REDUCER**

****

**DRIVER**

****

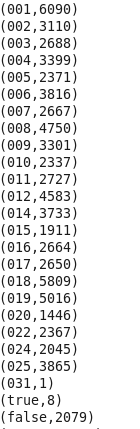
**OUTPUT**

****

**USING PIG**



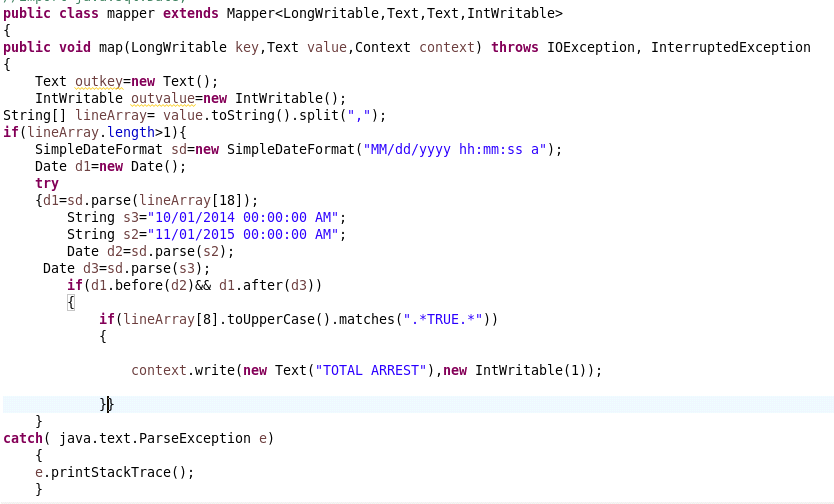
**OUTPUT**



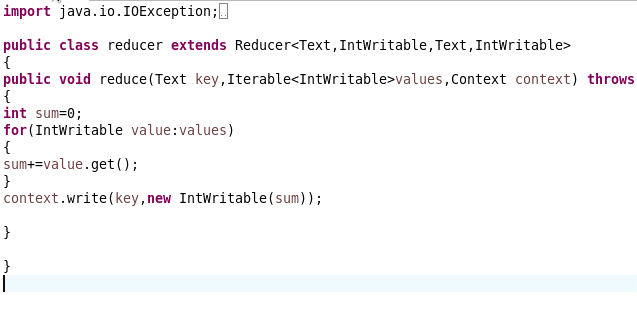
**4. Write a mapreduce and pig program to calculate the number of arrests done between October 2014 and October 2015.**

**USING MAP REDUCE**

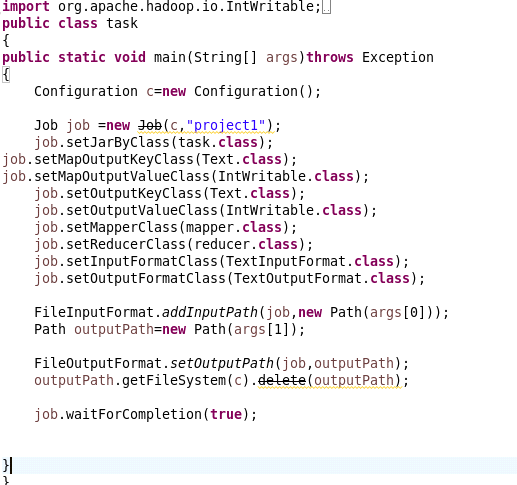
**MAPPER**

****

**REDUCER**

****

**DRIVER**

****

**OUTPUT**

****

**USING PIG**



grunt> O = FOREACH N GENERATE ToDate(SUBSTRING(upd,0,10),'MM/dd/yyyy') AS(U\_Date:datetime);

****





**OUTPUT**

