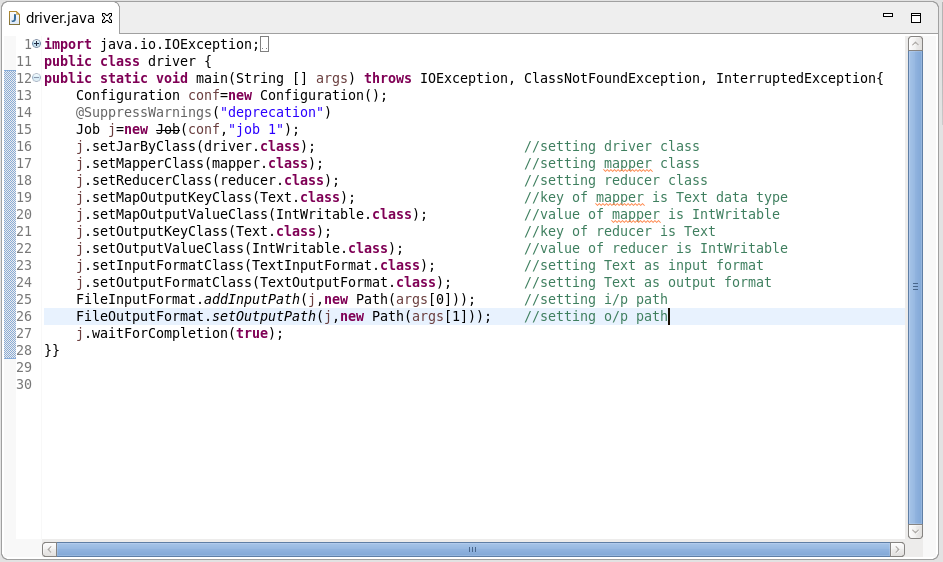
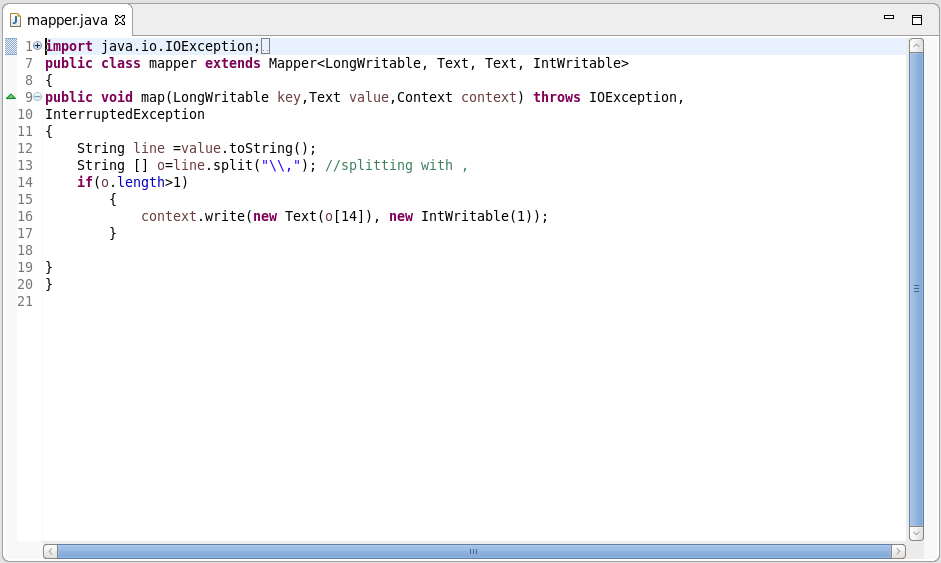
**1 .Write a map reduce and pig program to calculate the number of cases investigated under each FBI code**

**USING MAP REDUCE:**

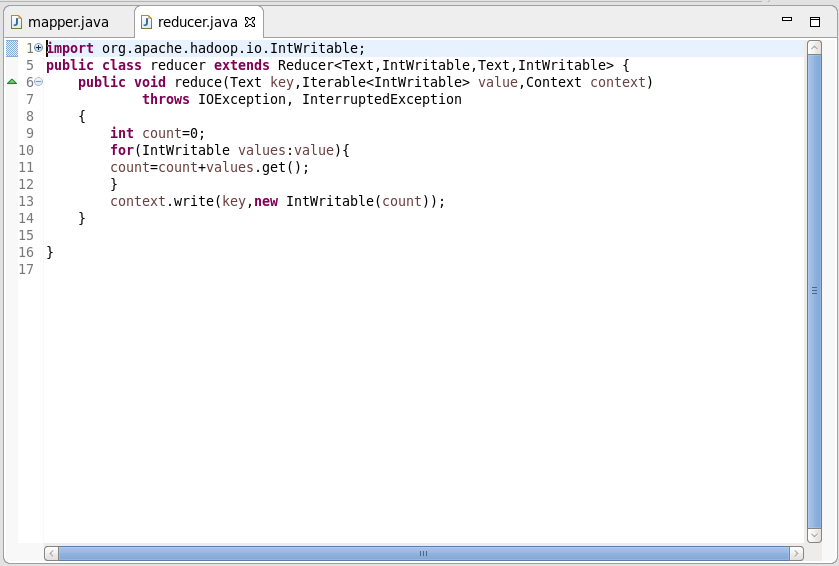
**DRIVER CLASS:**



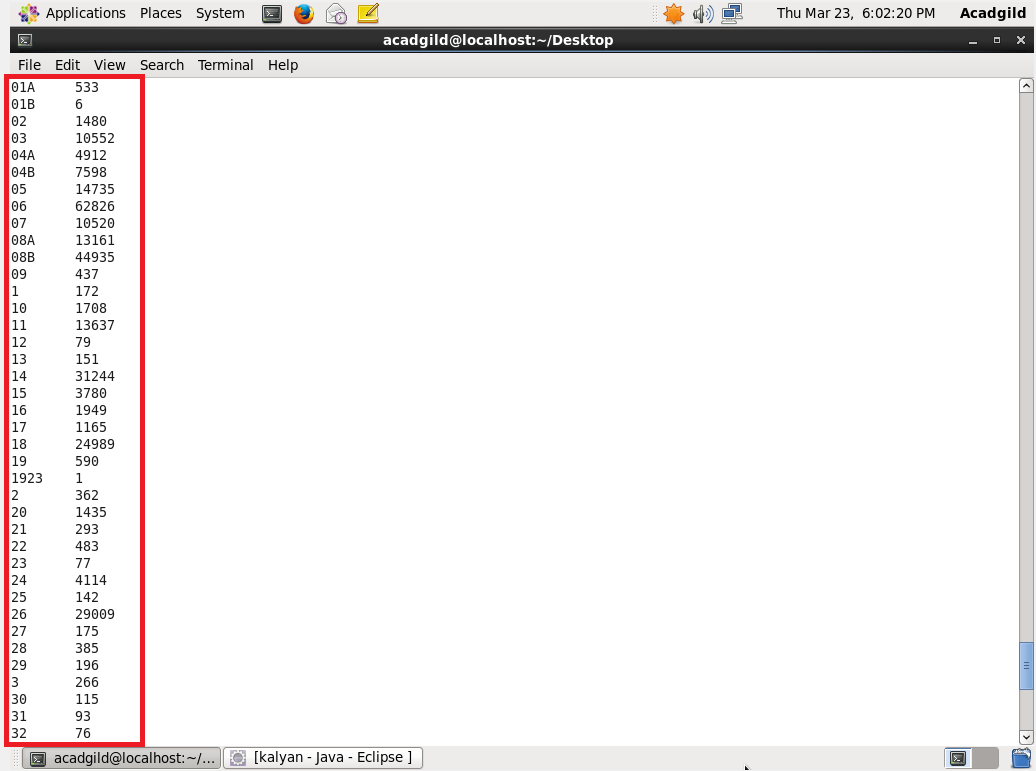
**MAPPER CLASS:**

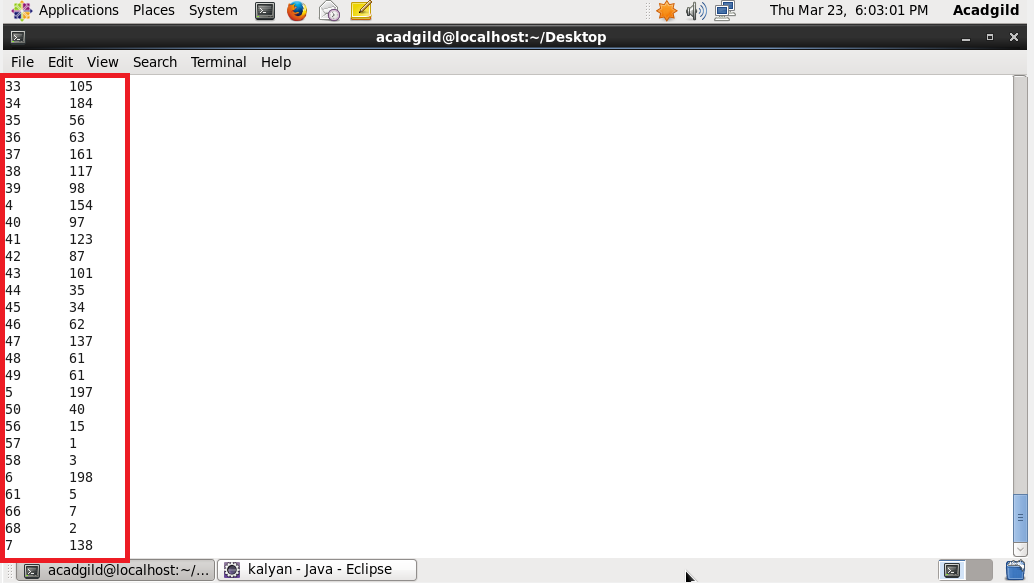


**REDUCER CLASS:**



**OUTPUT:**



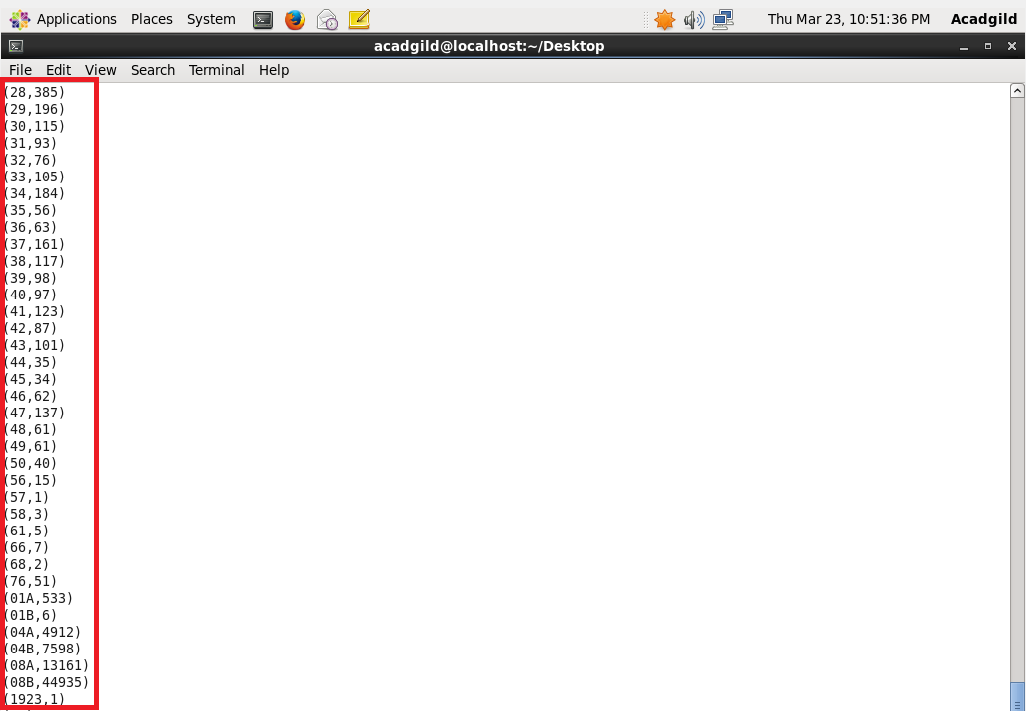
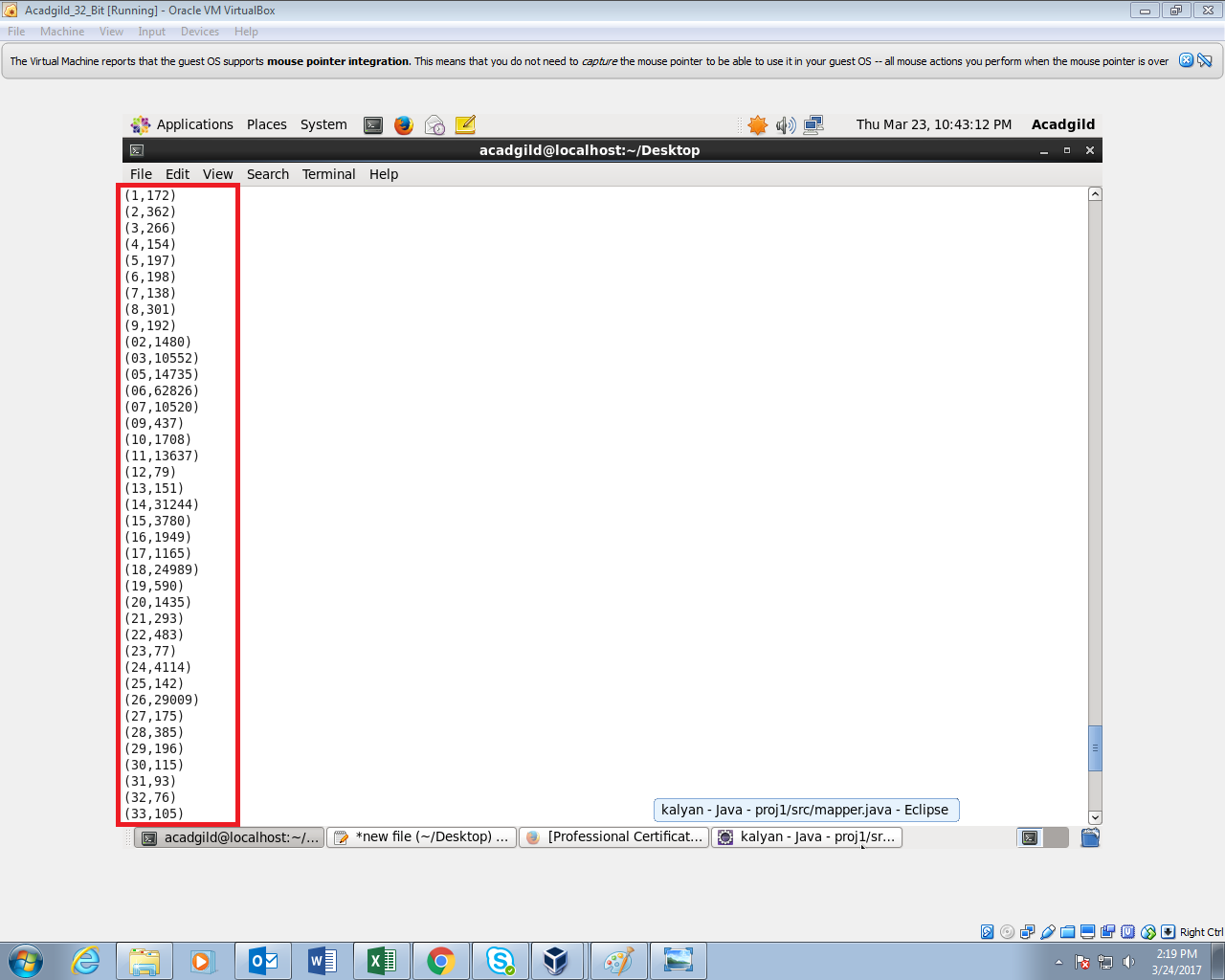


**USING PIG:**

**COMMAND:**



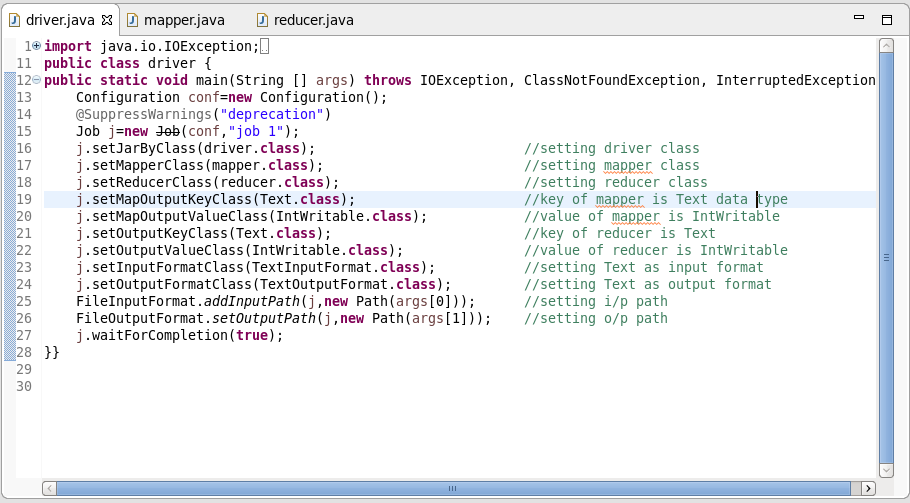
**OUTPUT:**



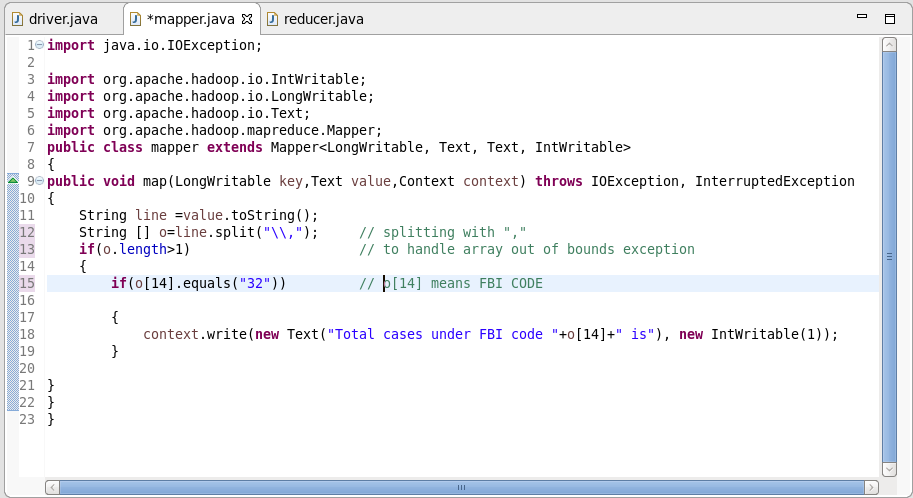
**2. Write a map reduce and pig program to calculate the number of cases investigated under FBI code 32.**

**USING MAPREDUCE:**

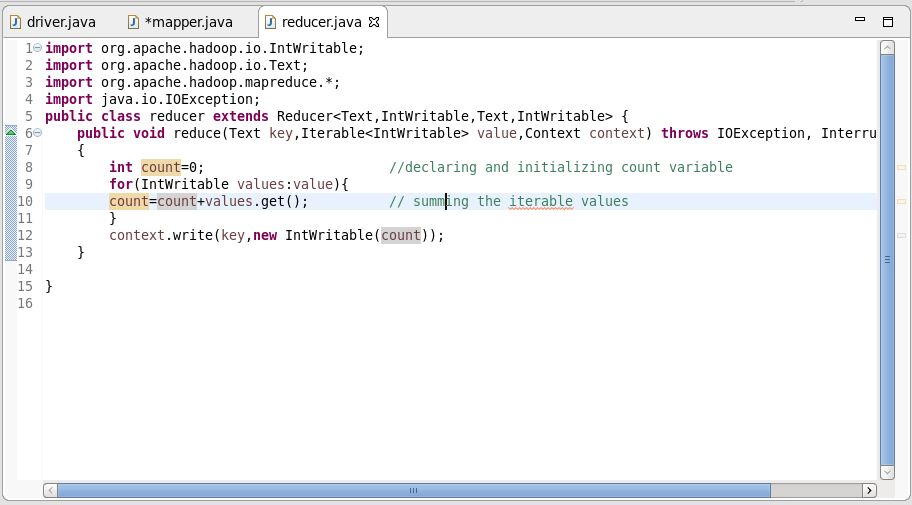
**DRIVER CLASS:**



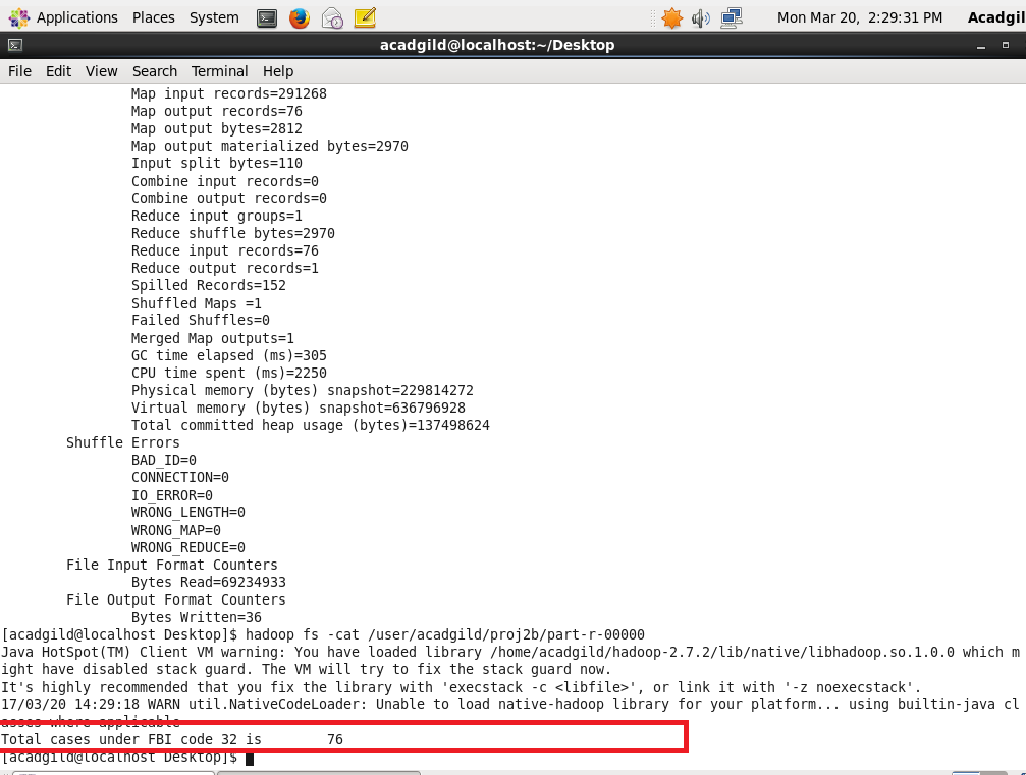
**MAPPER CLASS:**



**REDUCER CLASS:**

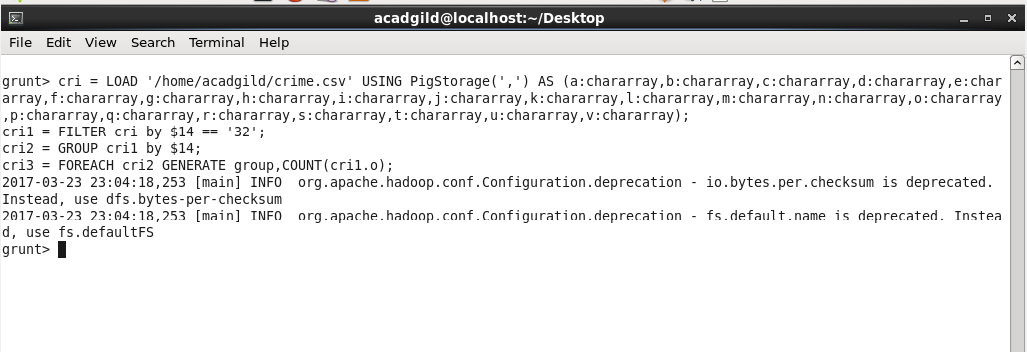


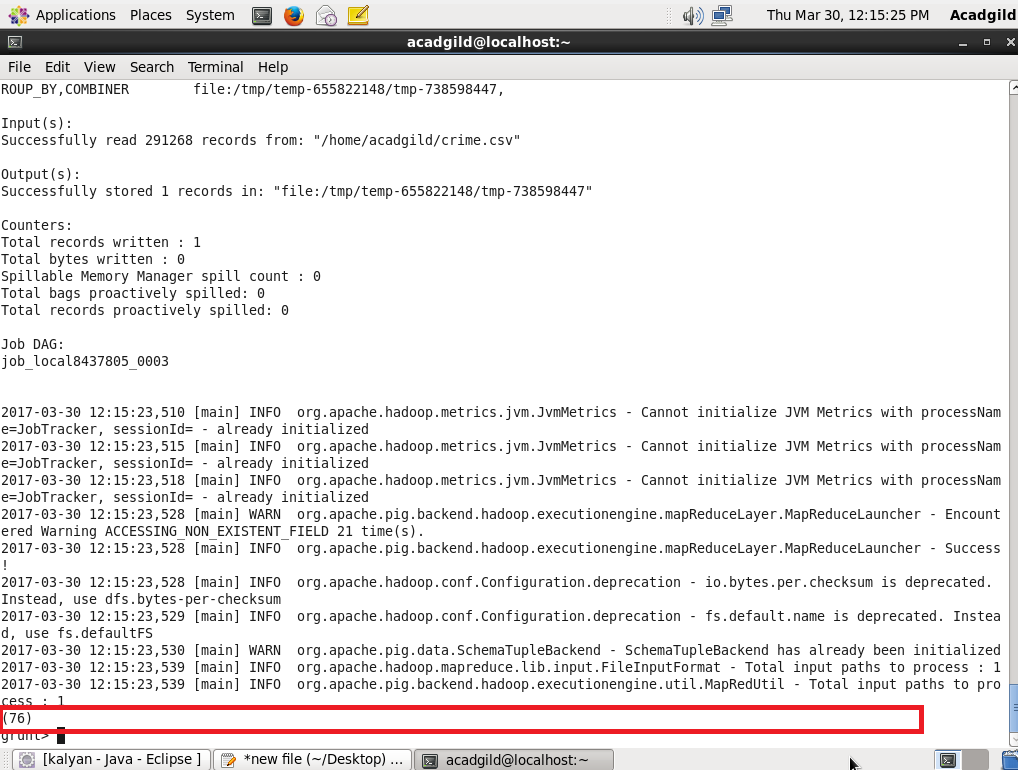
**OUTPUT:**



**USING PIG:**

**COMMAND:**

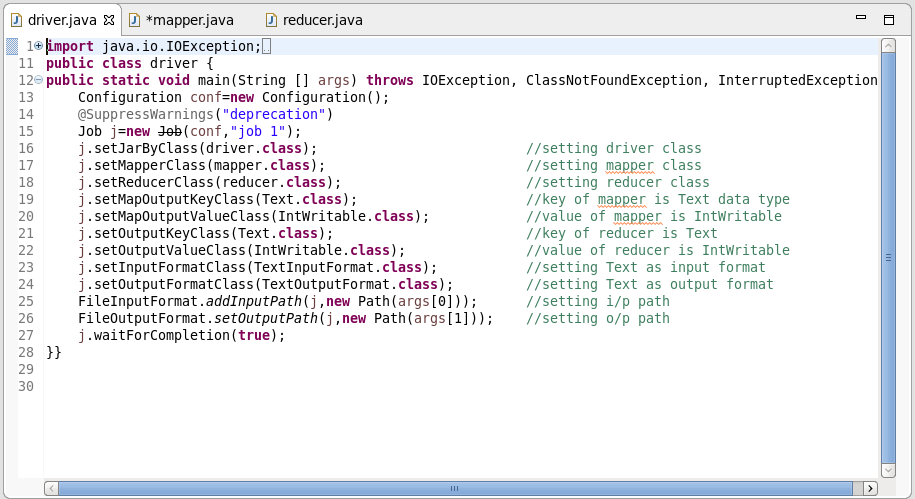
**OUTPUT:**



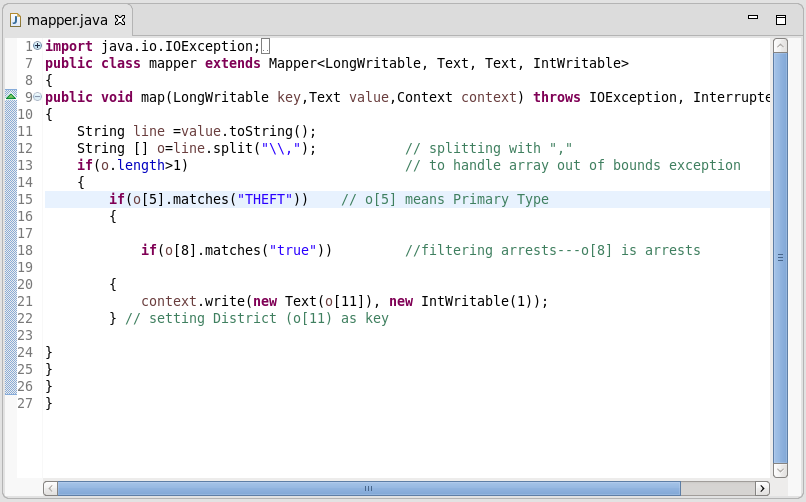
**3. Write a map reduce and pig program to calculate the number of arrests in theft district wise**

**USING MAPREDUCE:**

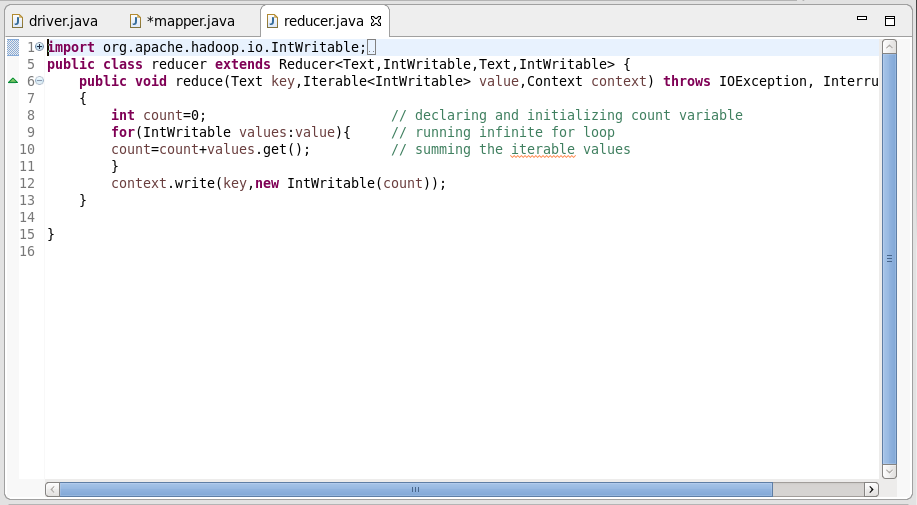
**DRIVER CLASS:**



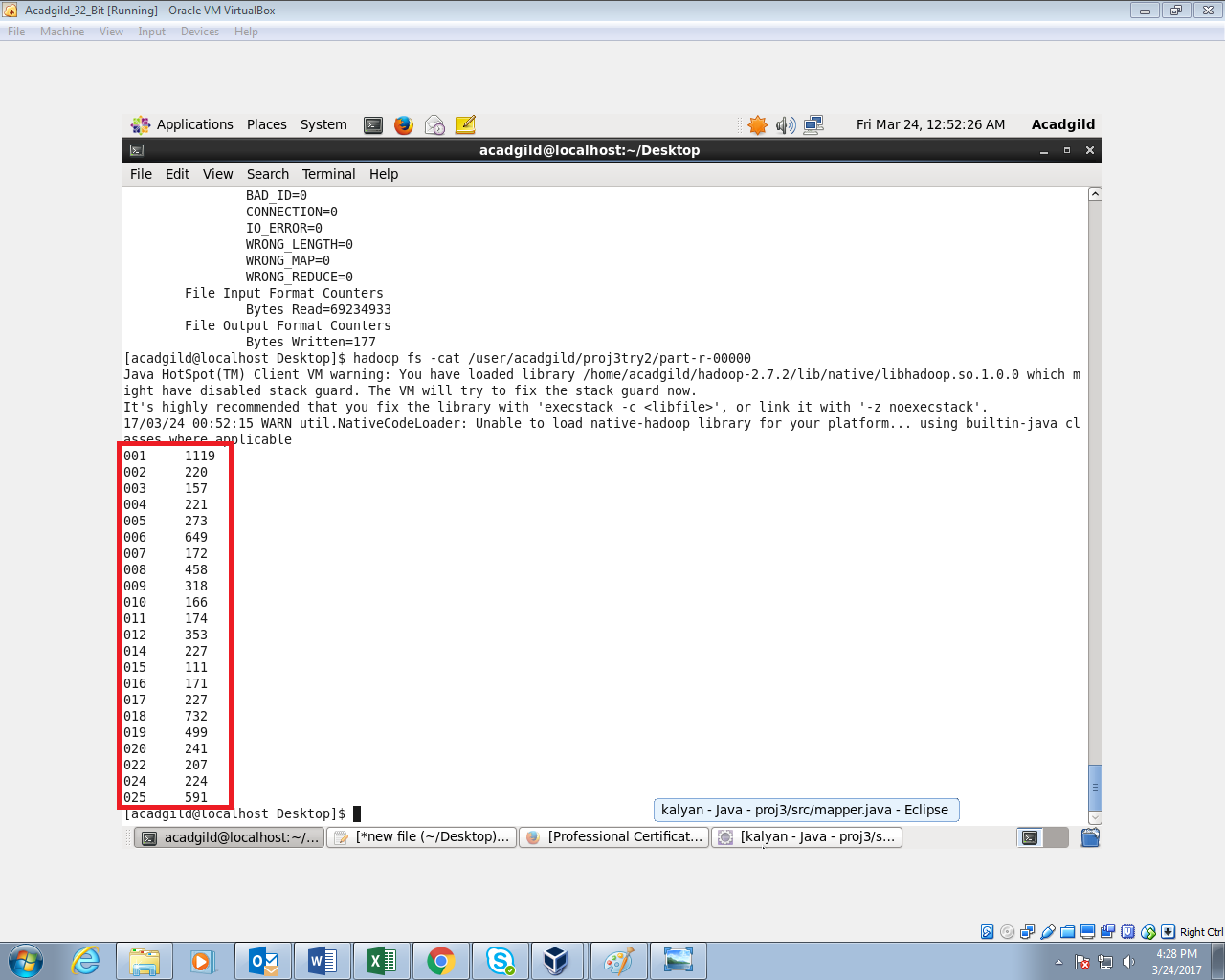
**MAPPER CLASS:**



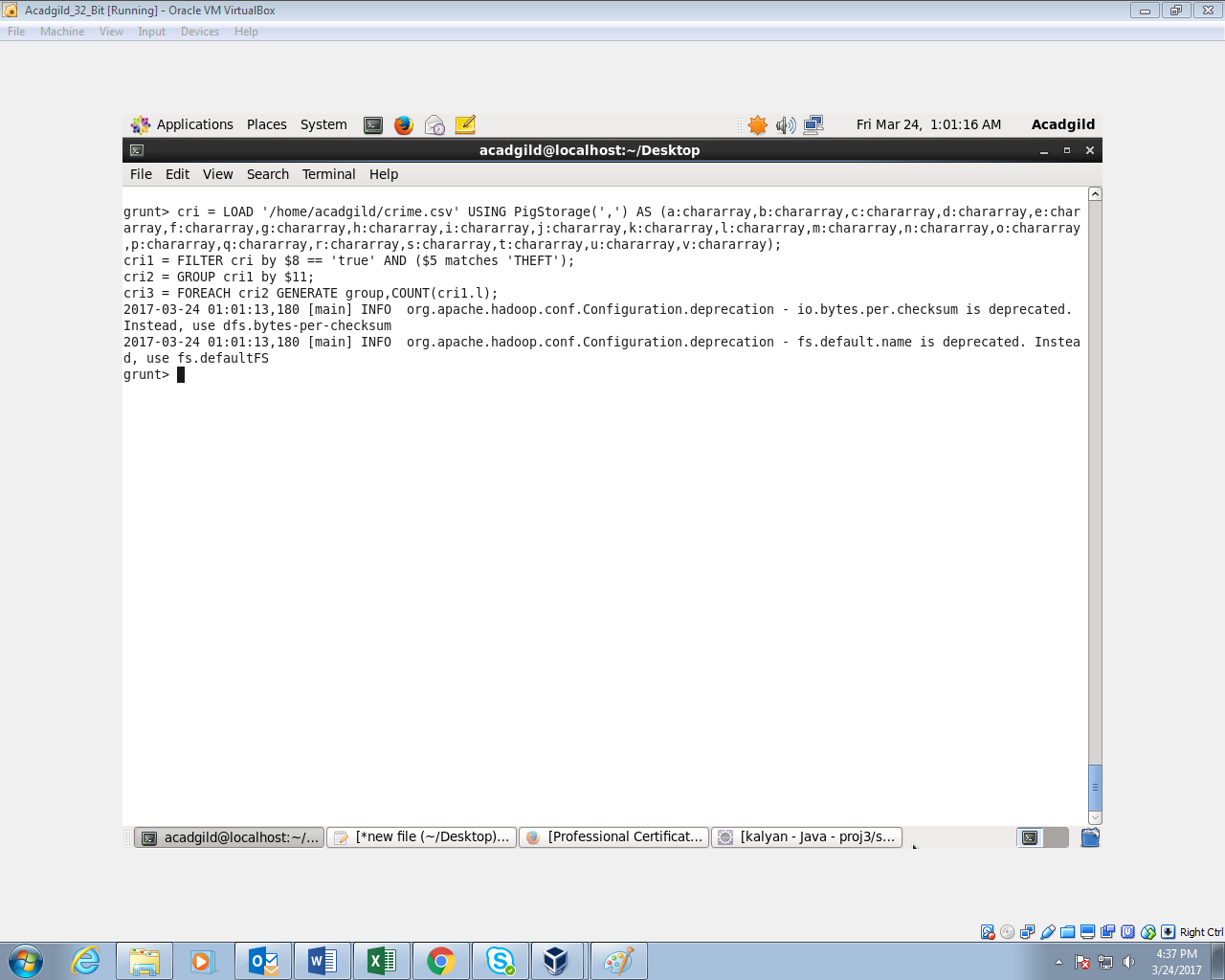
**REDUCER CLASS:**



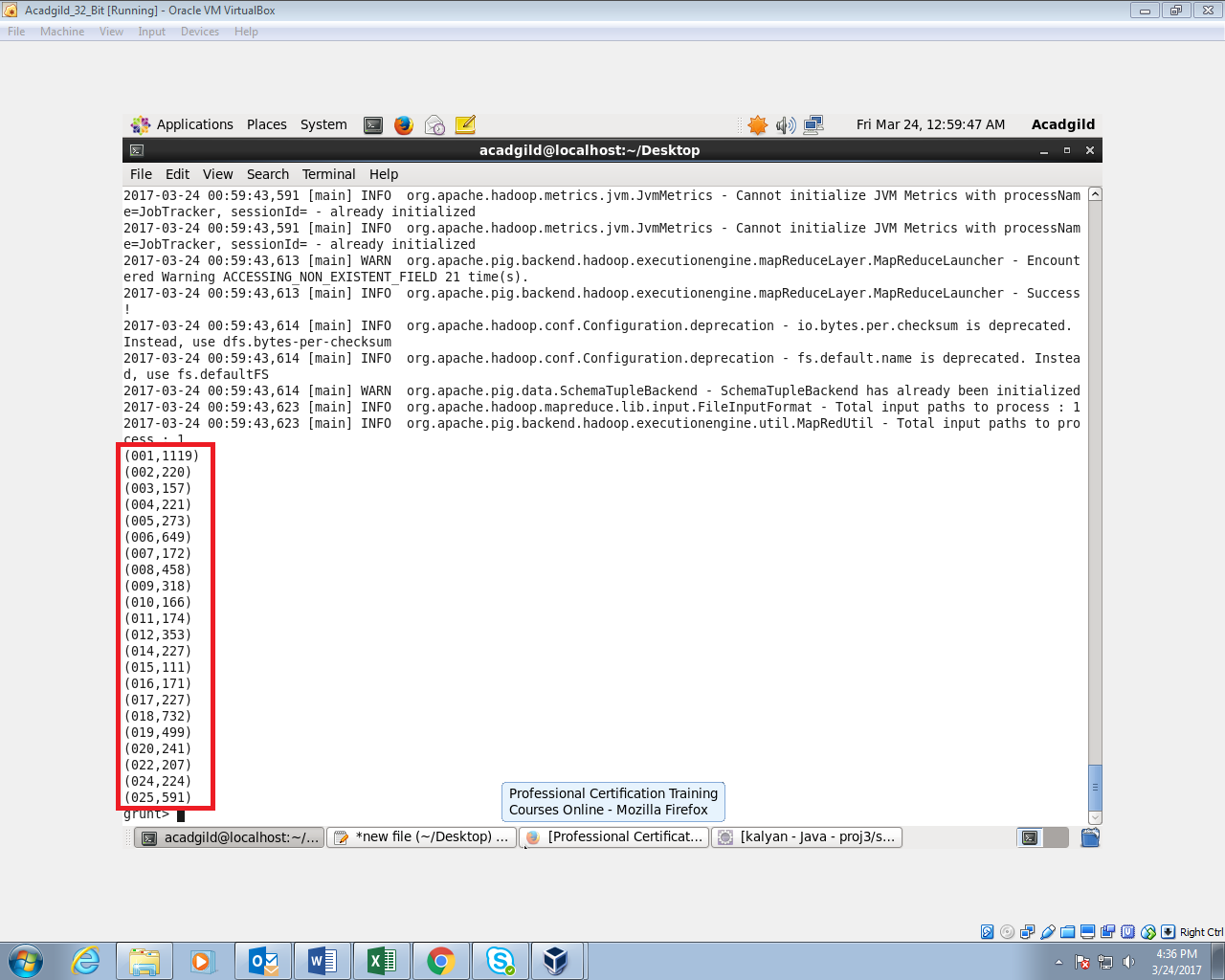
**OUTPUT:**



**USING PIG  
  
COMMAND:**



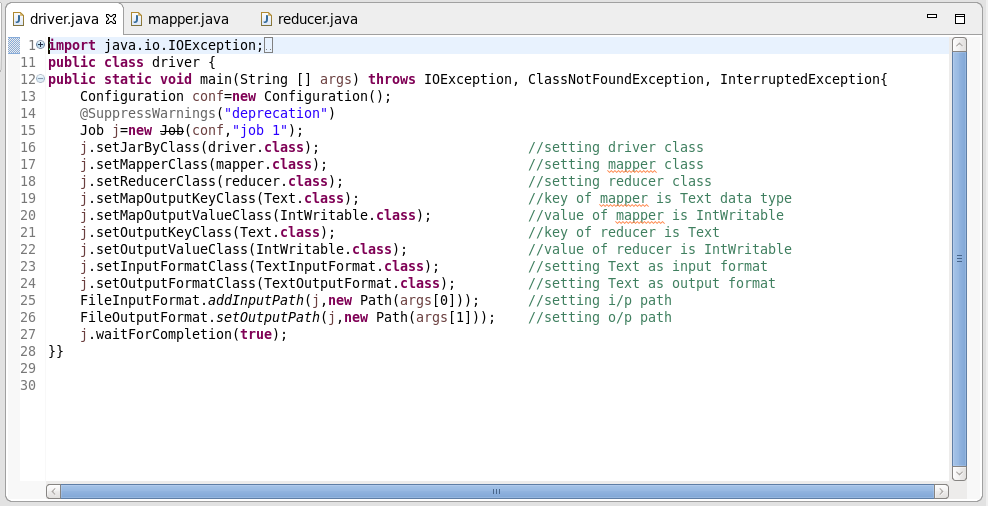
**OUTPUT:**



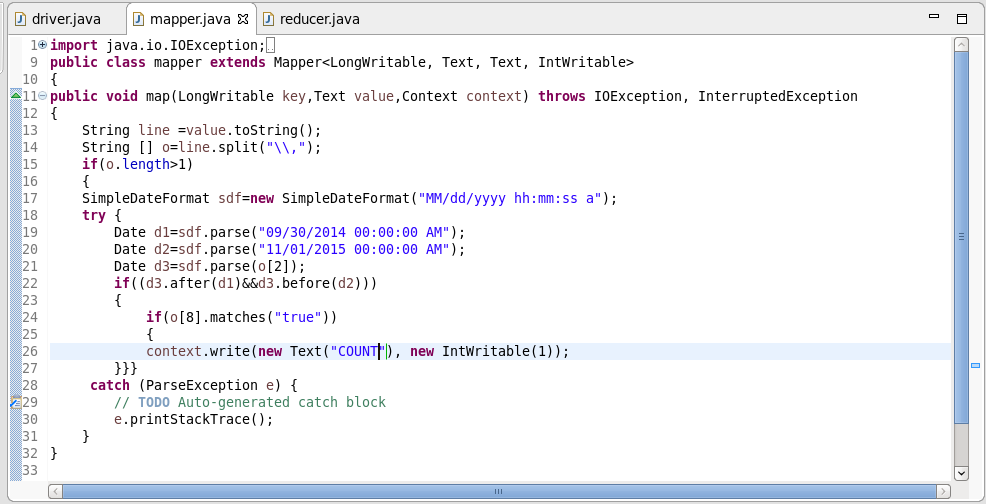
**4. Write a map reduce and pig program to calculate the number of arrests done between October 2014 and October 2015.**

**USING MAPREDUCE:**

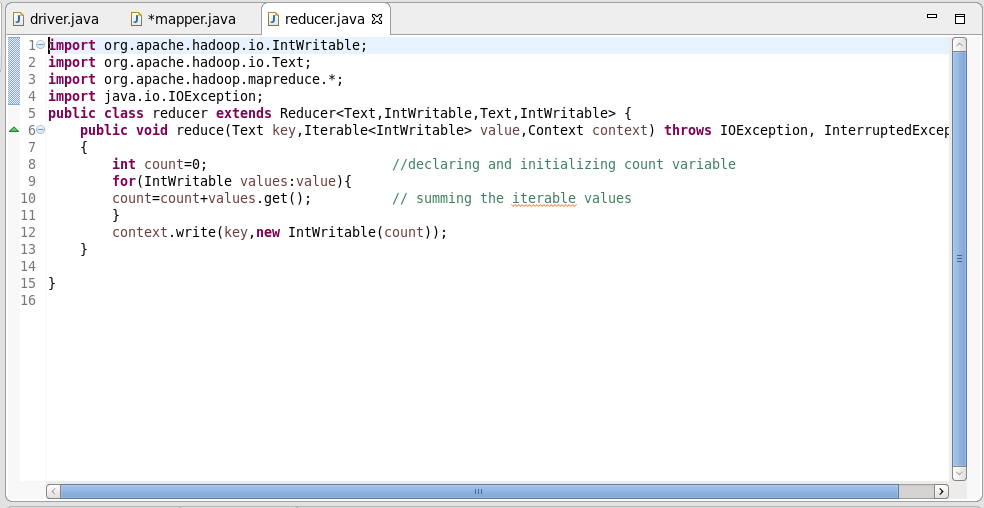
**DRIVER CLASS:**



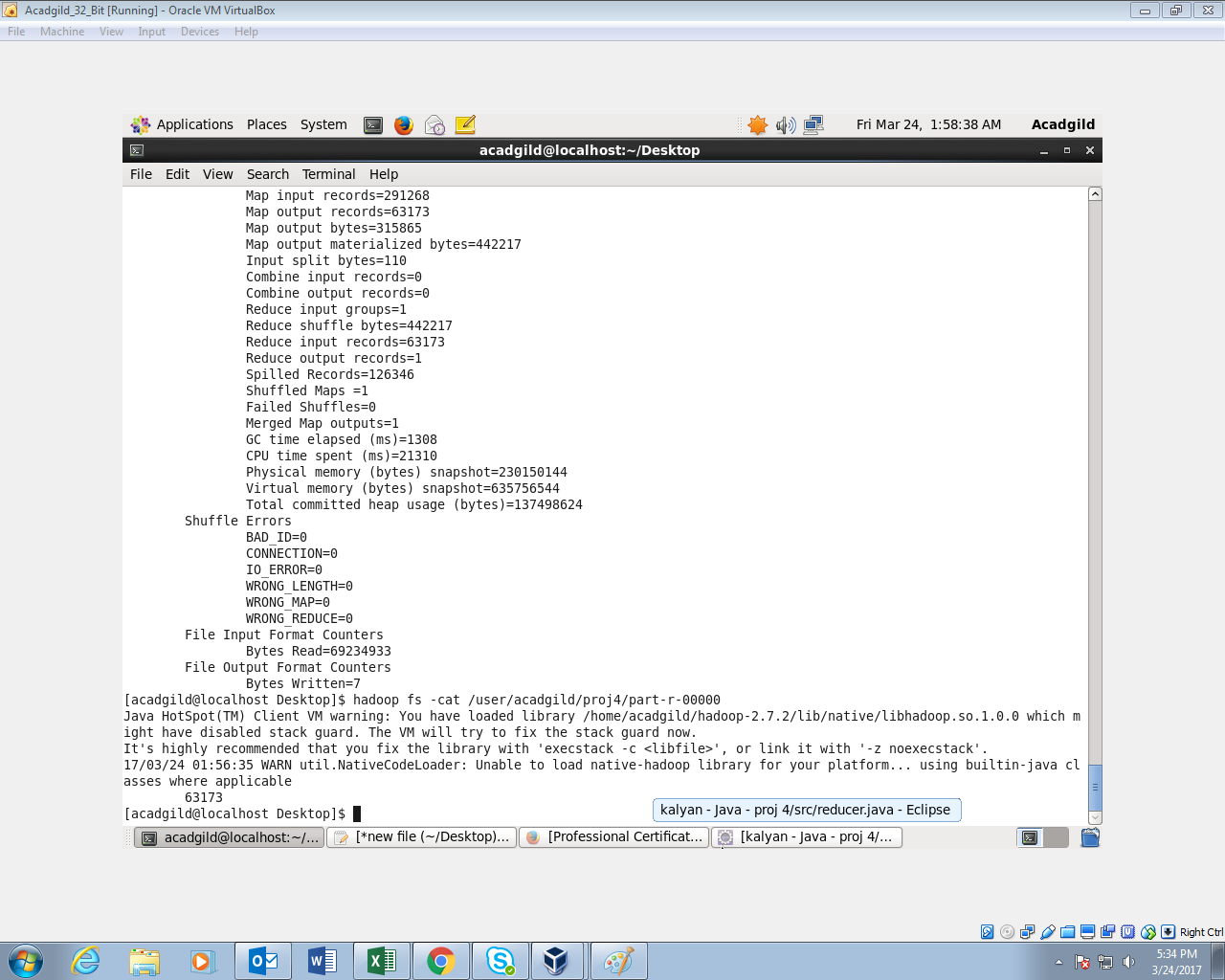
**MAPPER CLASS:**



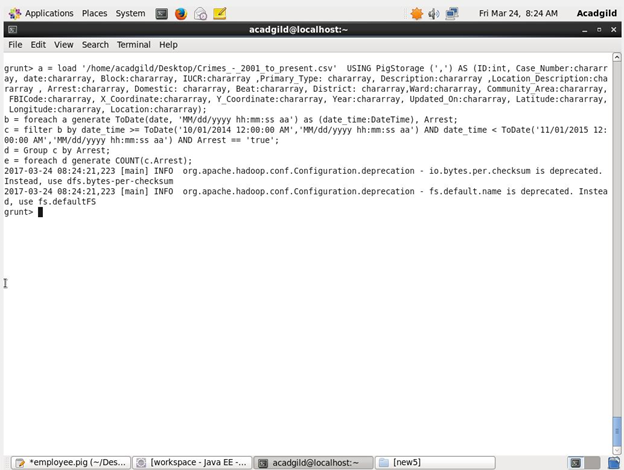
**REDUCER CLASS:**



**OUTPUT:**



**USING PIG:  
COMMAND:**



**OUTPUT:**

