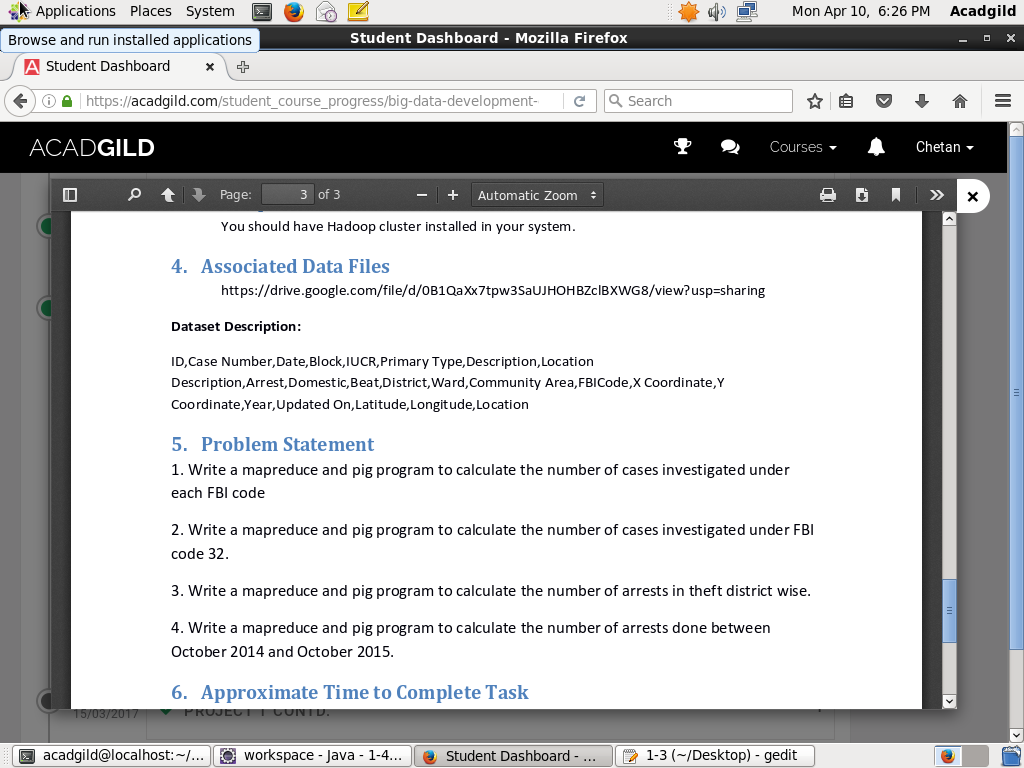
**PROJECT-1**

**PROBLEM STATEMENT:**

****

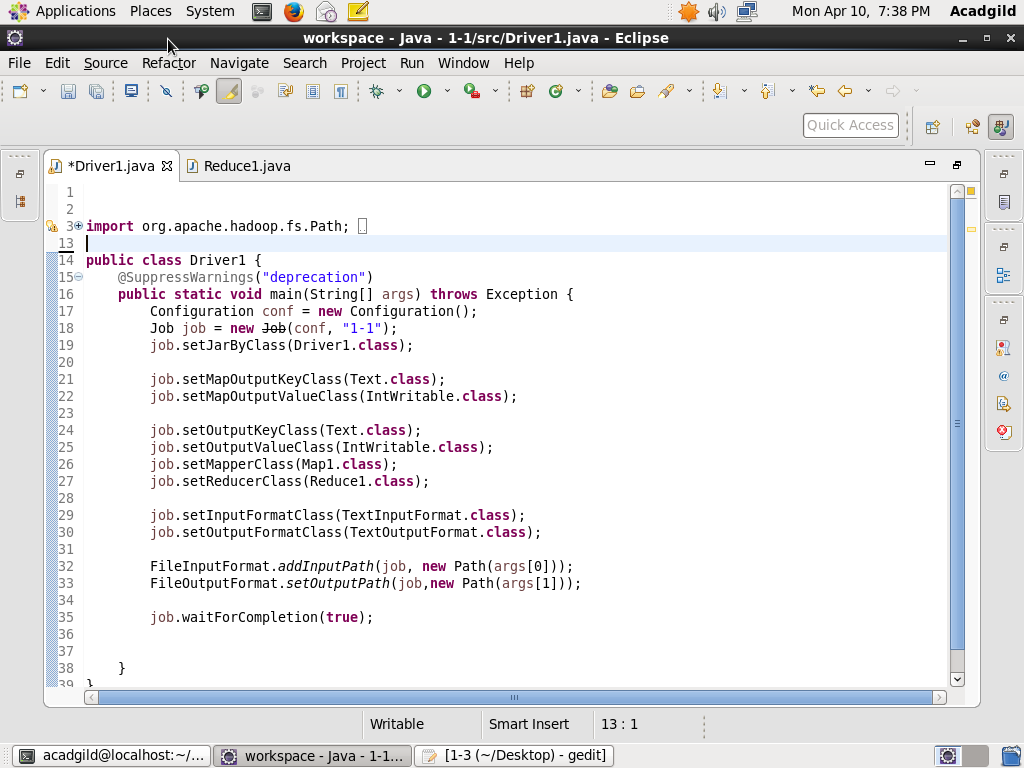
**Q1-Write a mapreduce and pig program to calculate the number of cases investigated under each FBI code.**

**SOLUTION:**

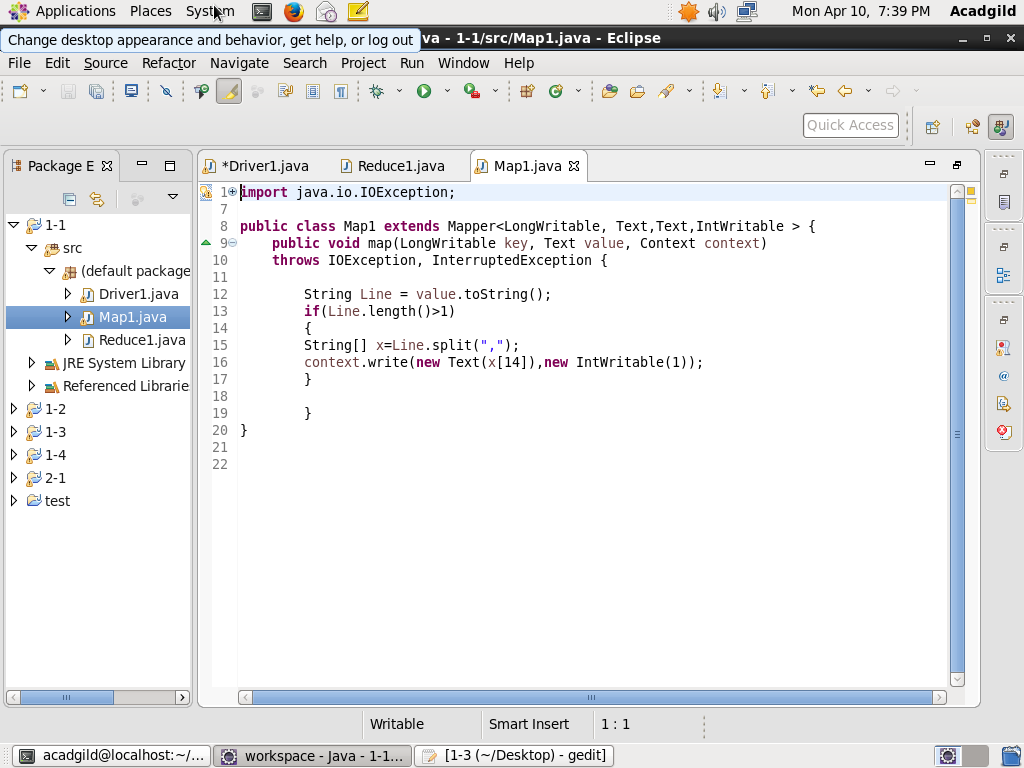
**1. MAP REDUCE:**

**PROGRAM:**

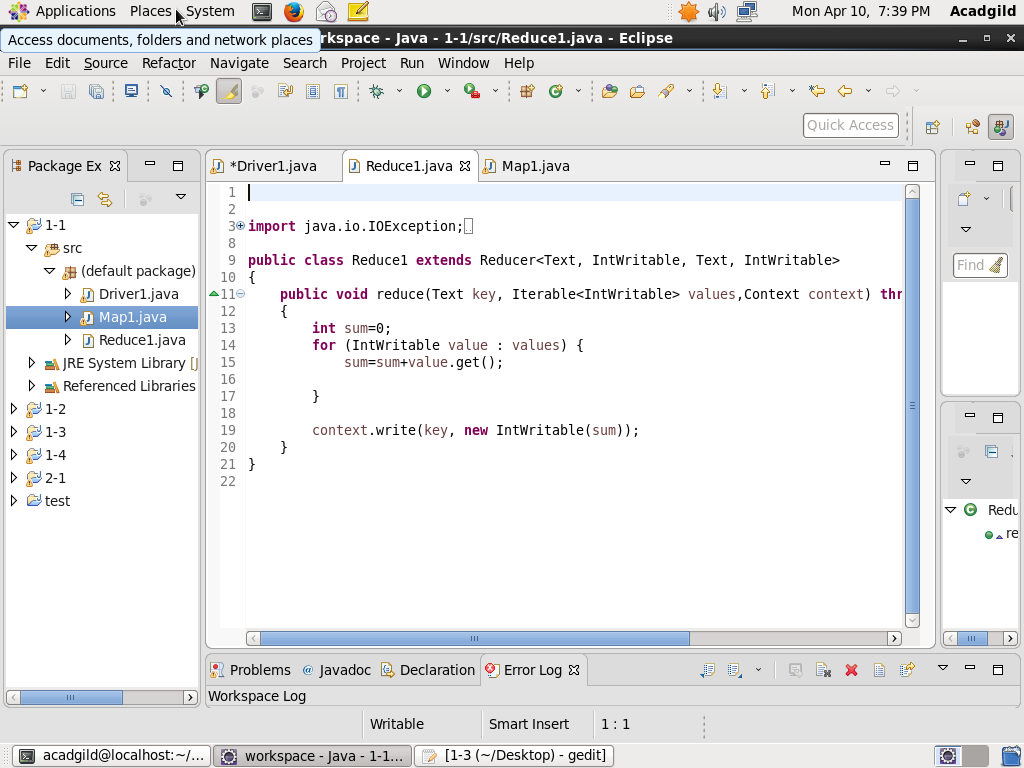
DRIVER CLASS

****

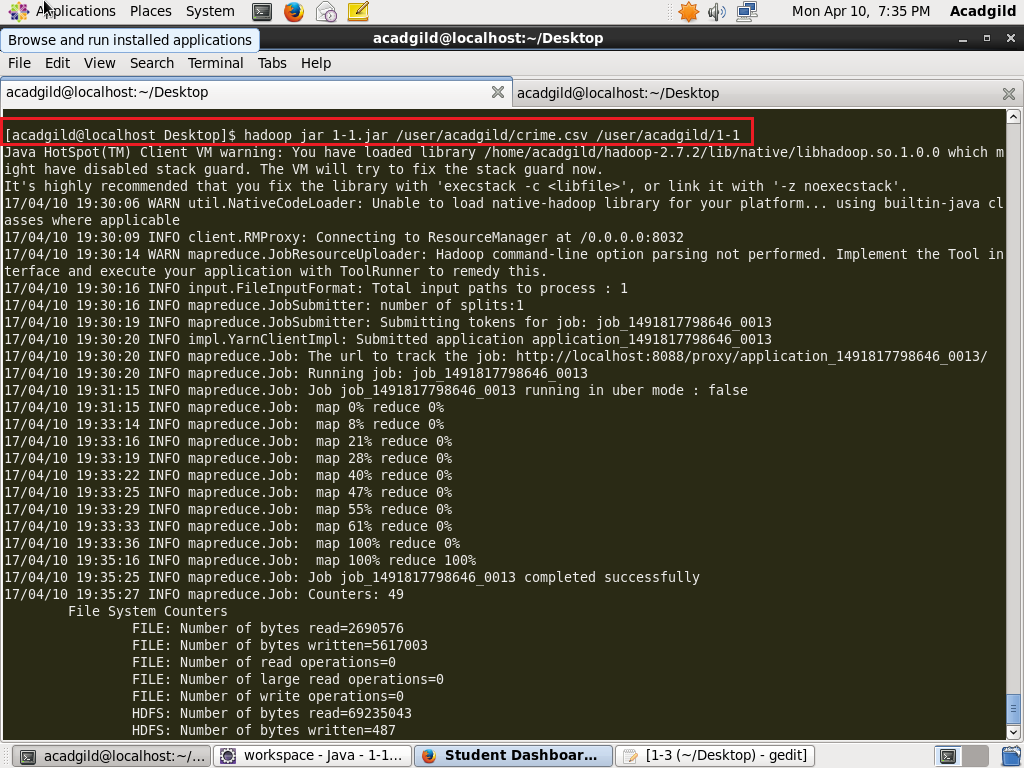
MAPPER CLASS



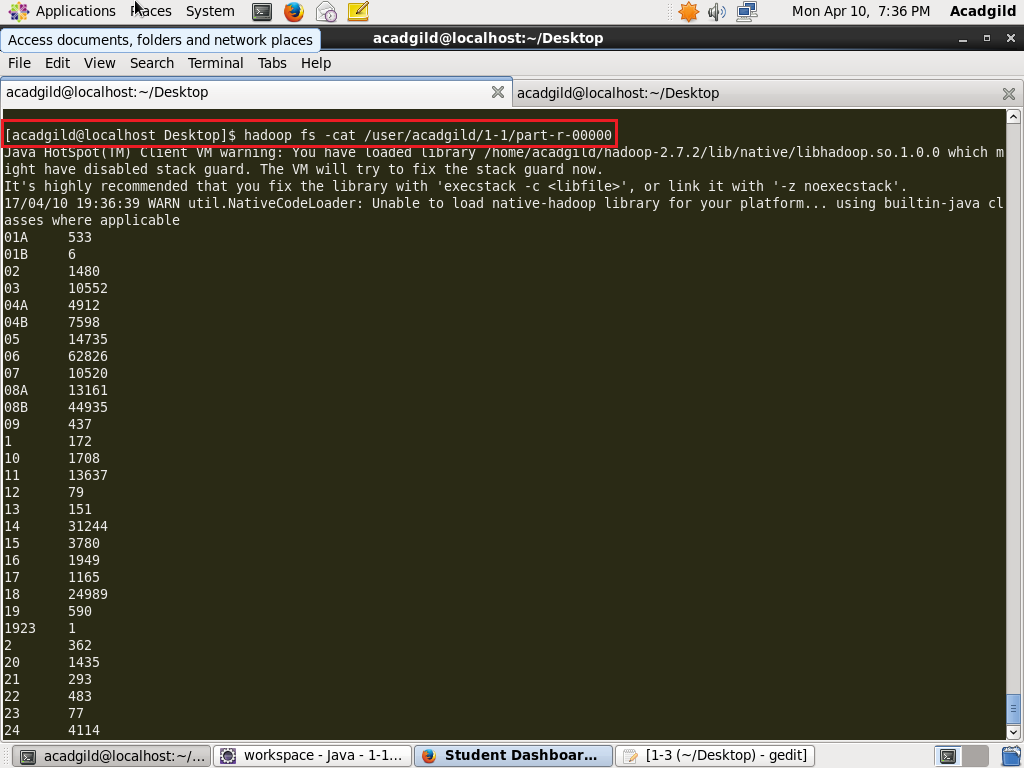
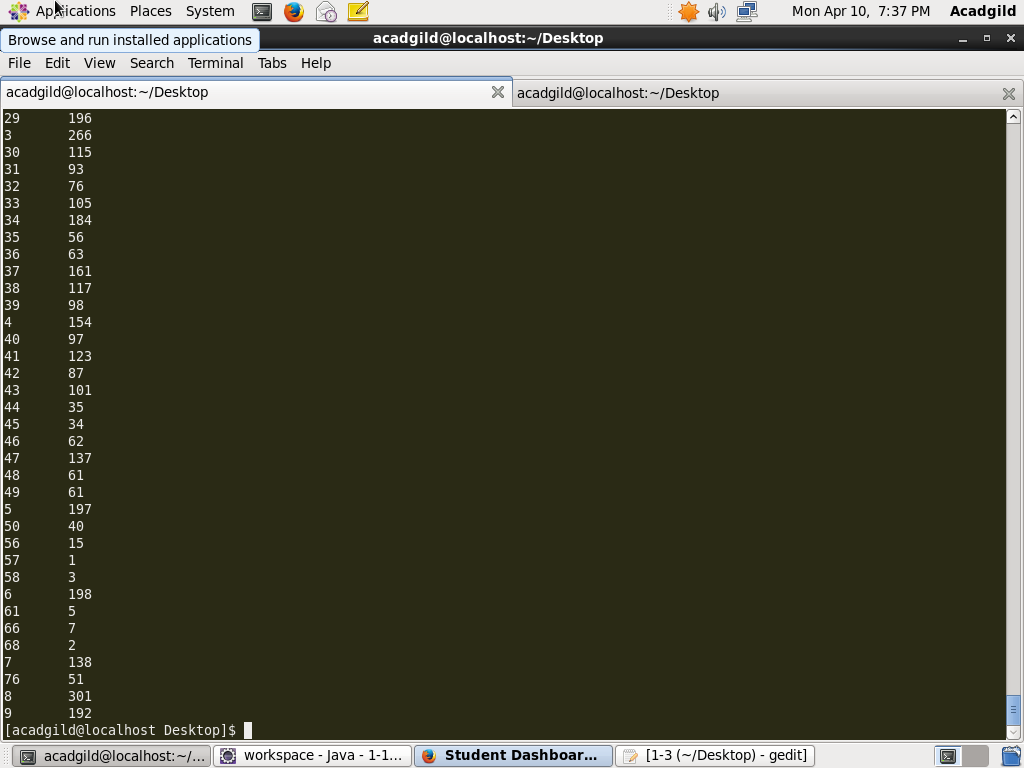
REDUCER CLASS



**EXECUTION COMMAND:**

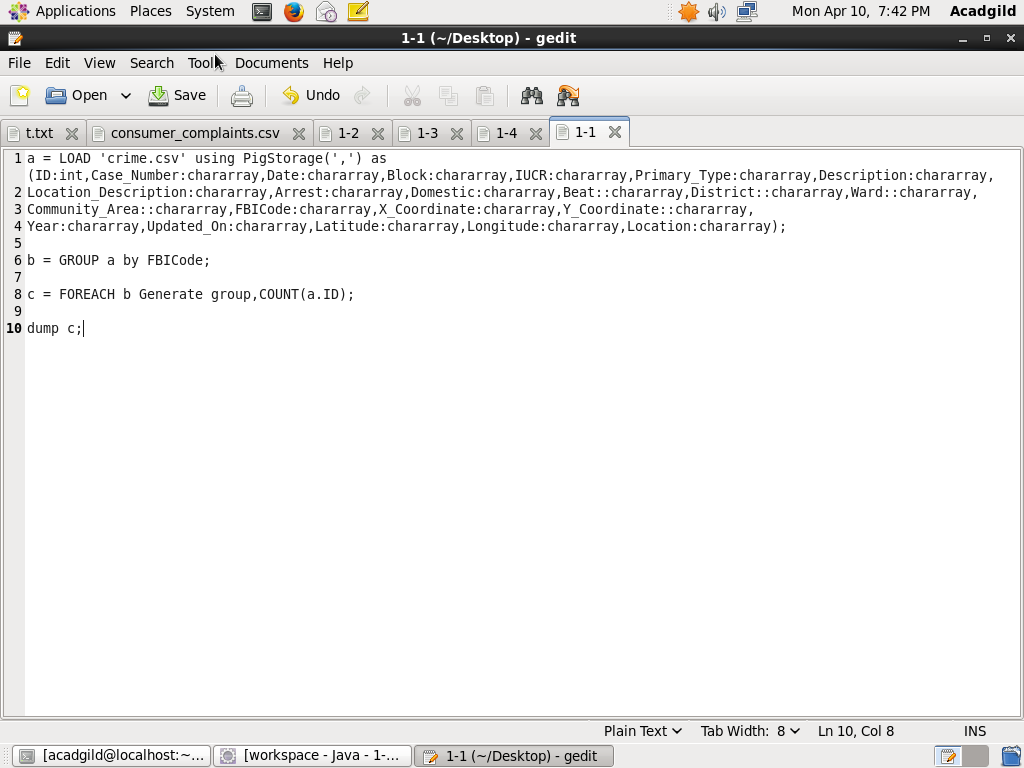
****

**OUTPUT:**

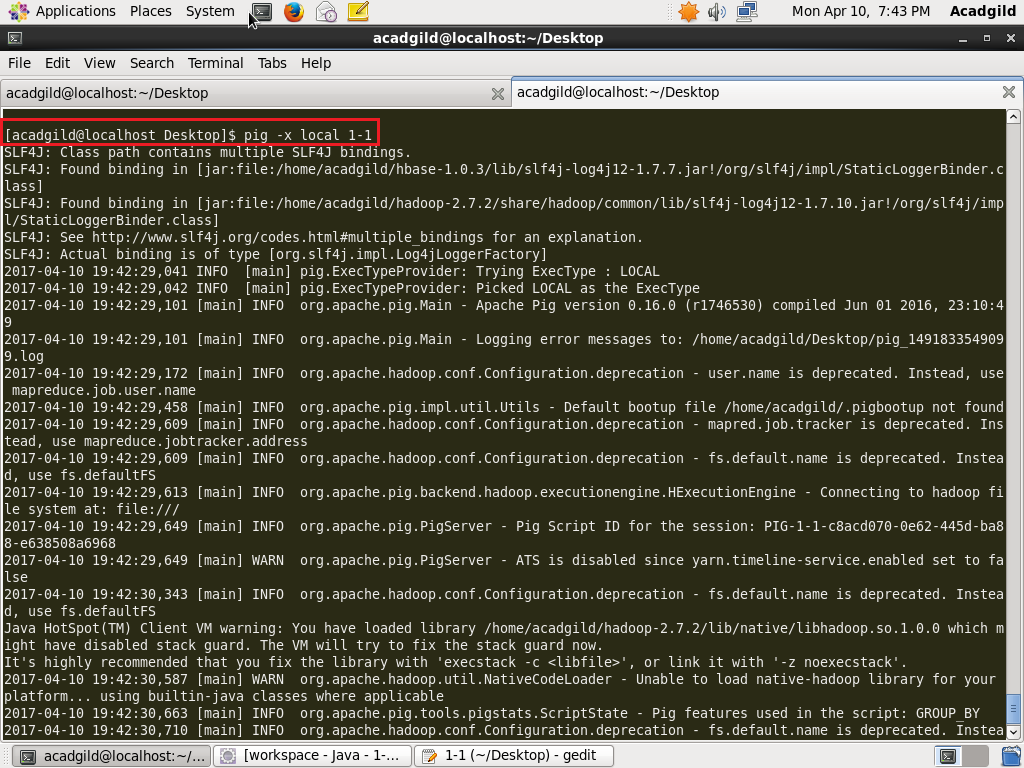
**  
**

**2. PIG:**

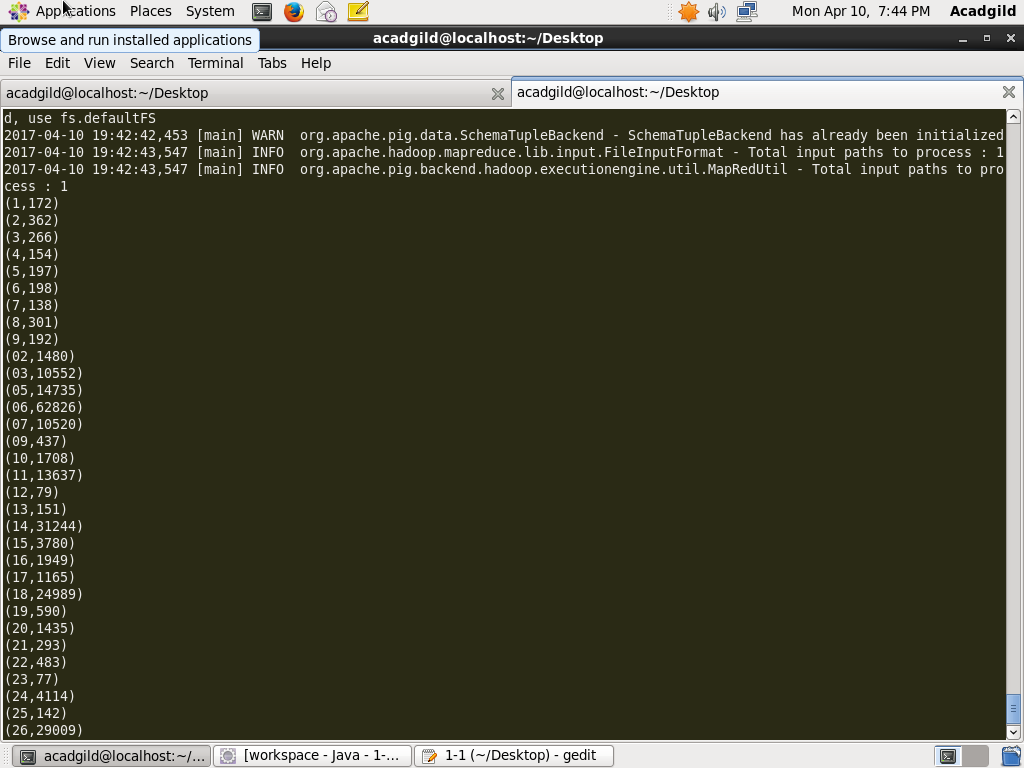
**PROGRAM:**

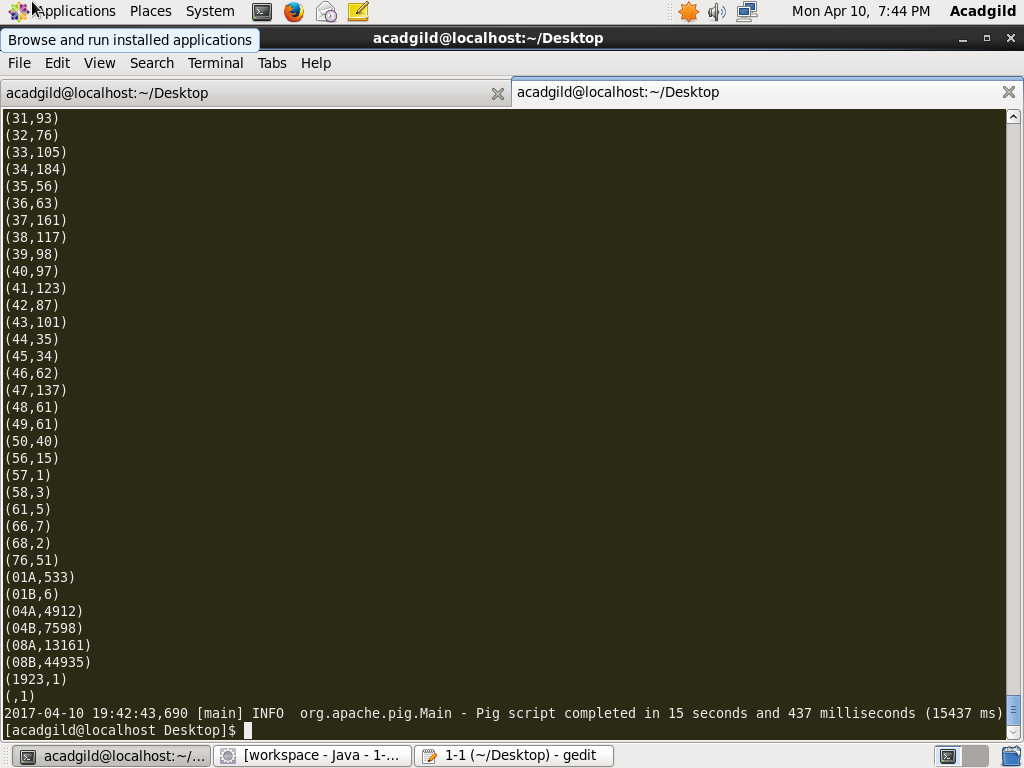
****

**EXECUTION COMMAND:**

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**OUTPUT:**

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****

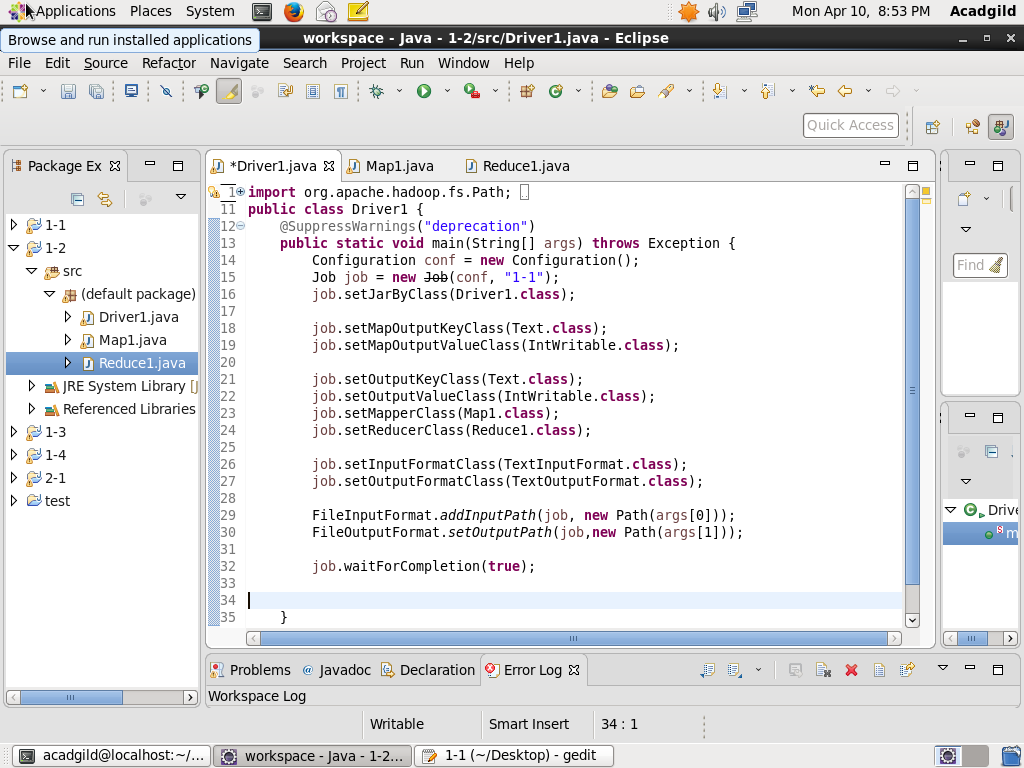
**Q2-Write a mapreduce and pig program to calculate the number of cases investigated under FBI code 32.**

**SOLUTION:**

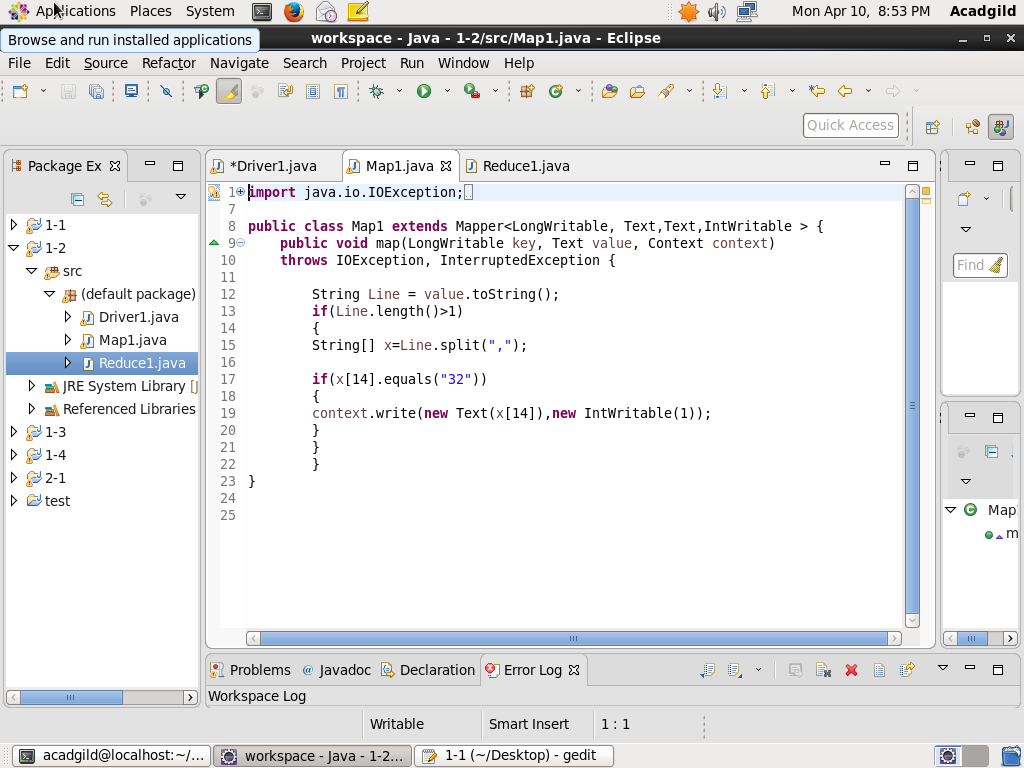
**1. MAP REDUCE:**

**PROGRAM:**

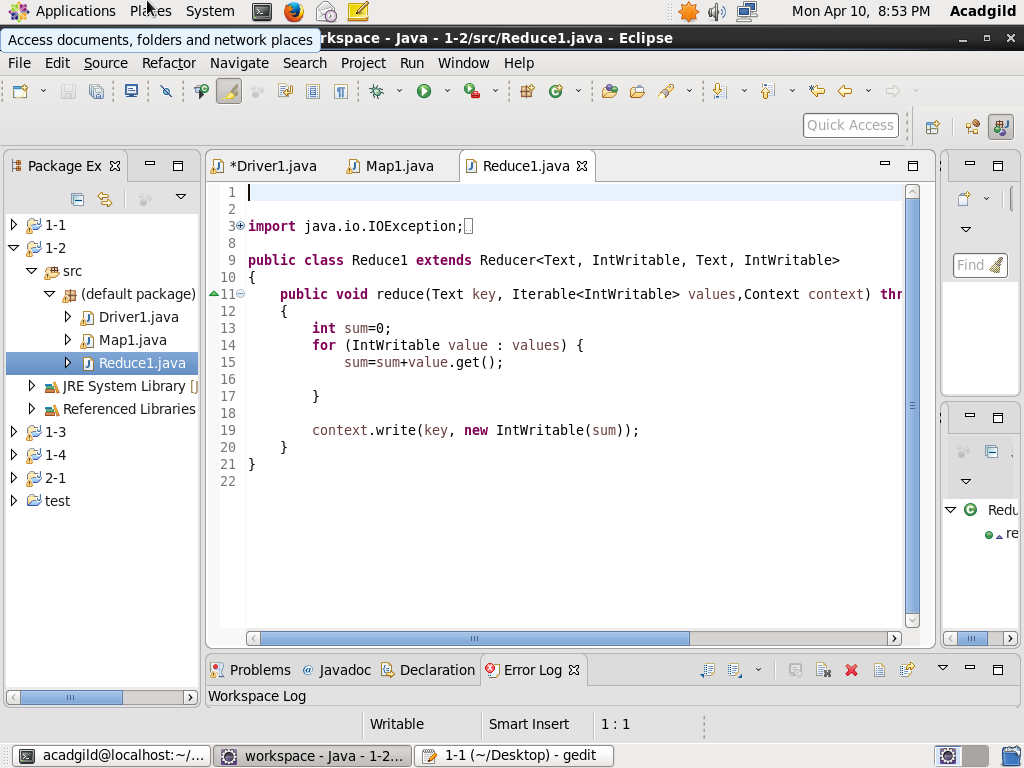
DRIVER CLASS

****

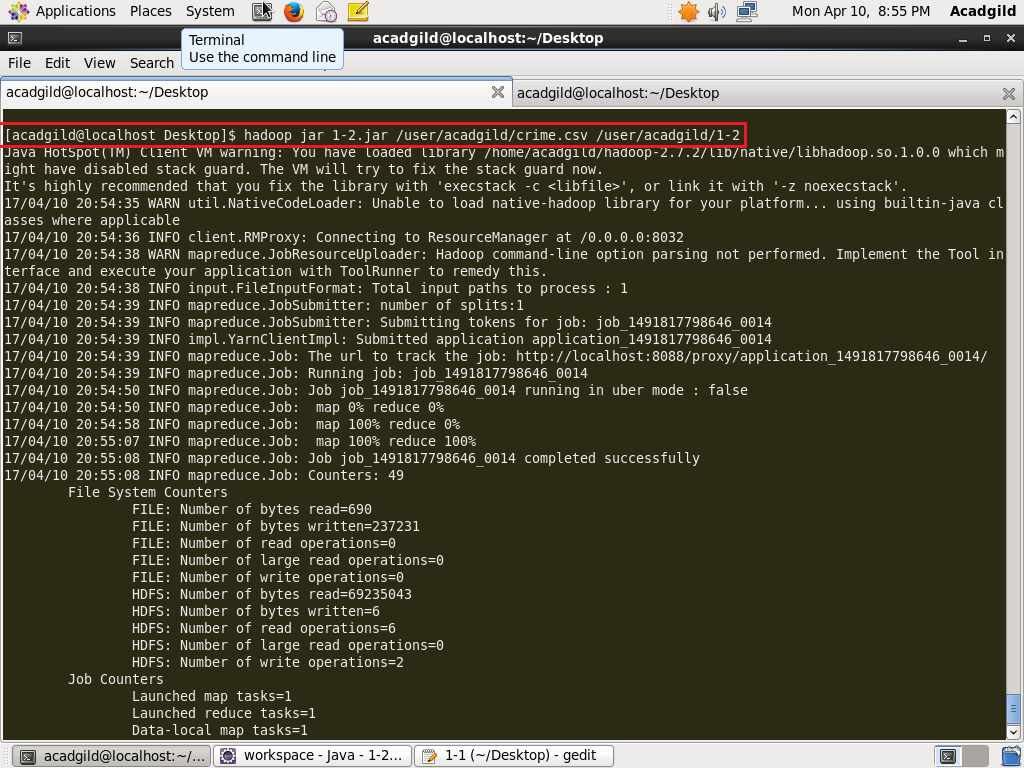
MAPPER CLASS



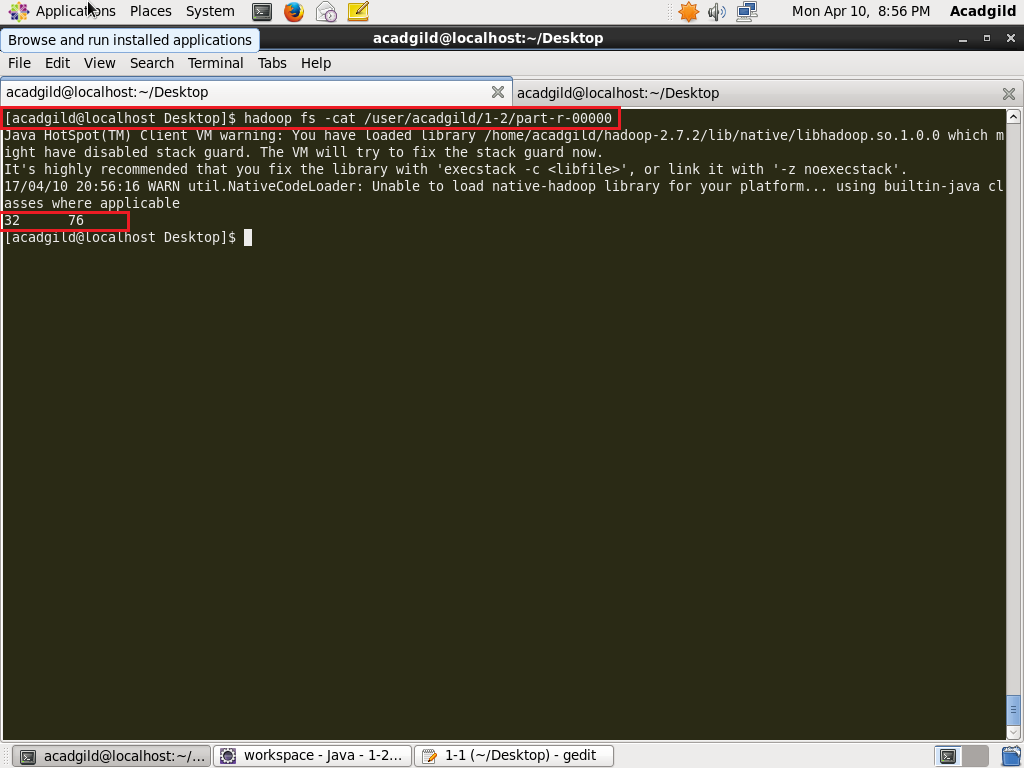
REDUCER CLASS



**EXECUTION COMMAND:**

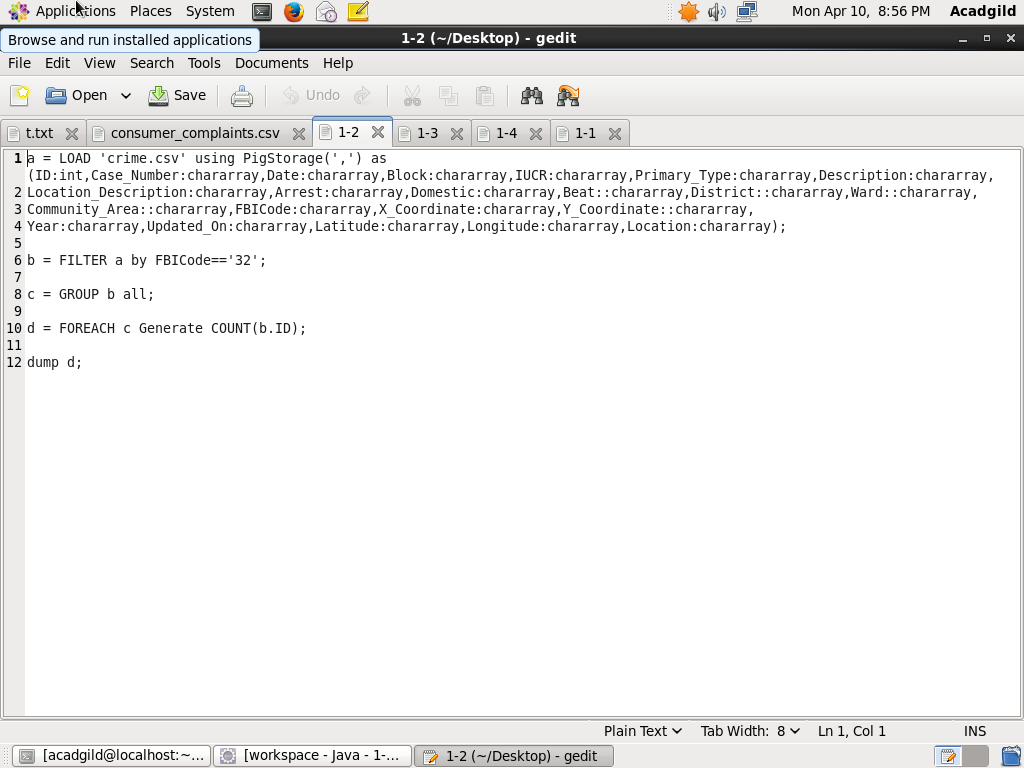
****

**OUTPUT:**

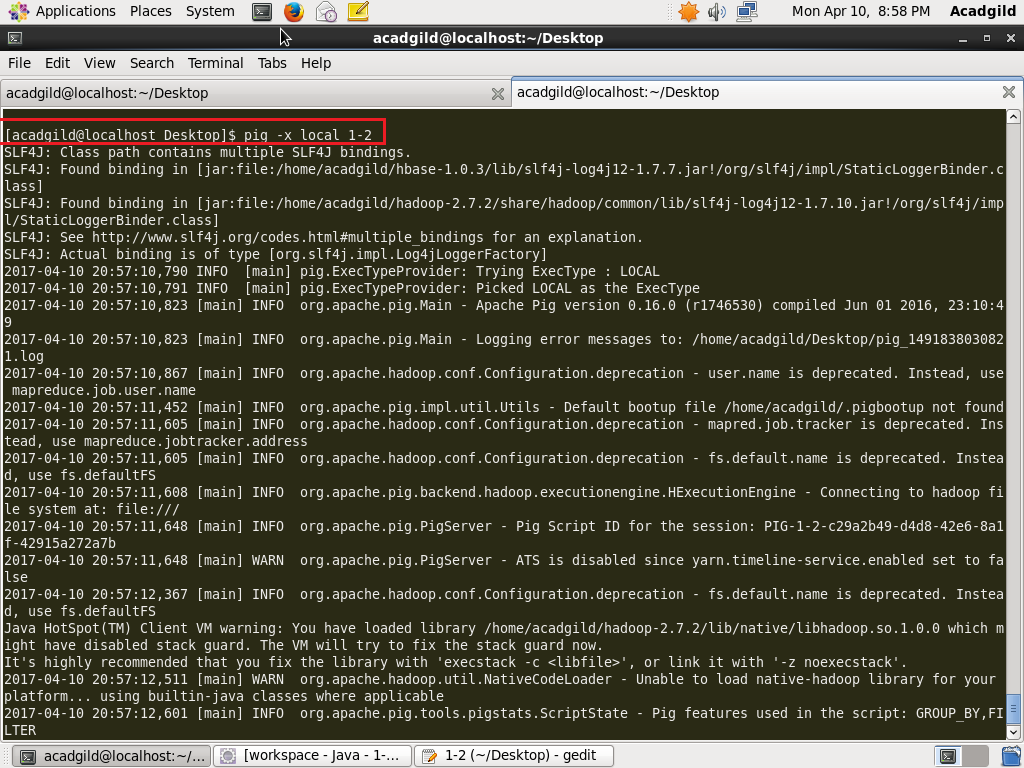
****

**2. PIG:**

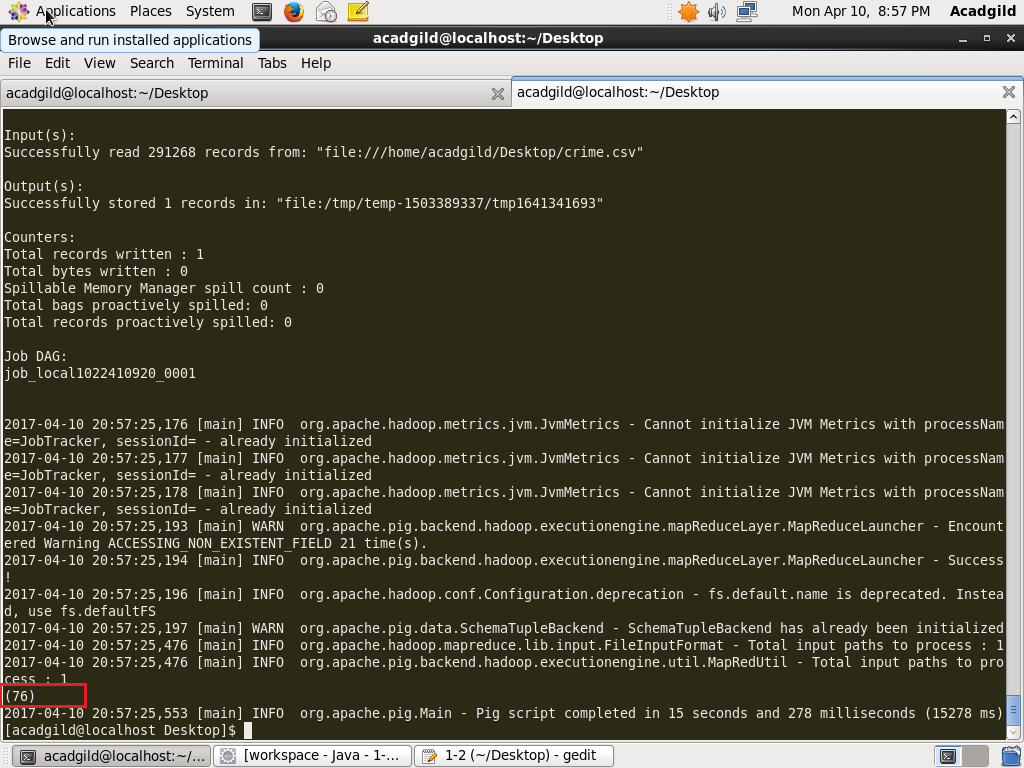
**PROGRAM:**

****

**EXECUTION COMMAND:**

****

**OUTPUT:**

****

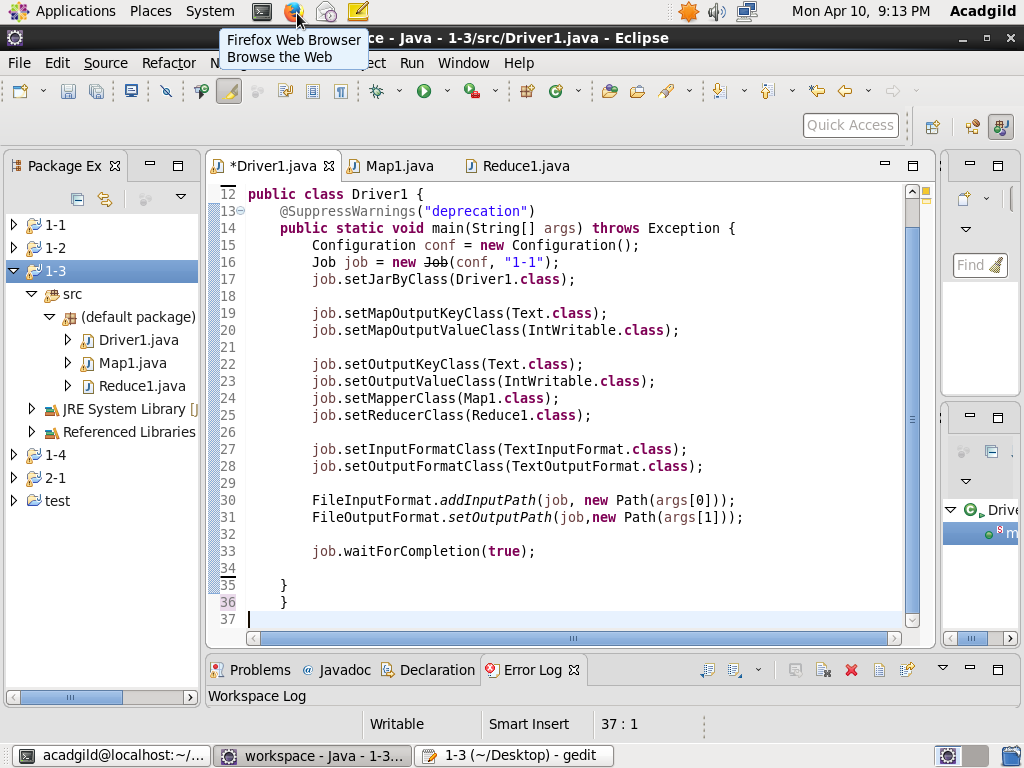
**Q3-Write a mapreduce and pig program to calculate the number of arrests in theft district wise.**

**SOLUTION:**

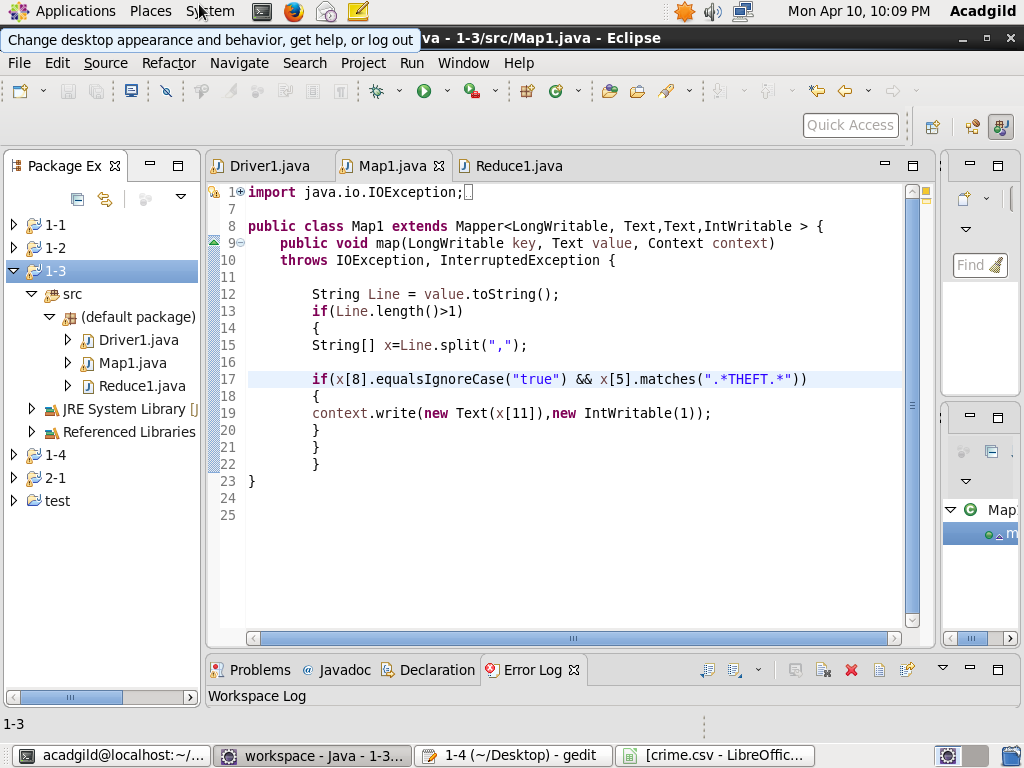
**1. MAP REDUCE:**

**PROGRAM:**

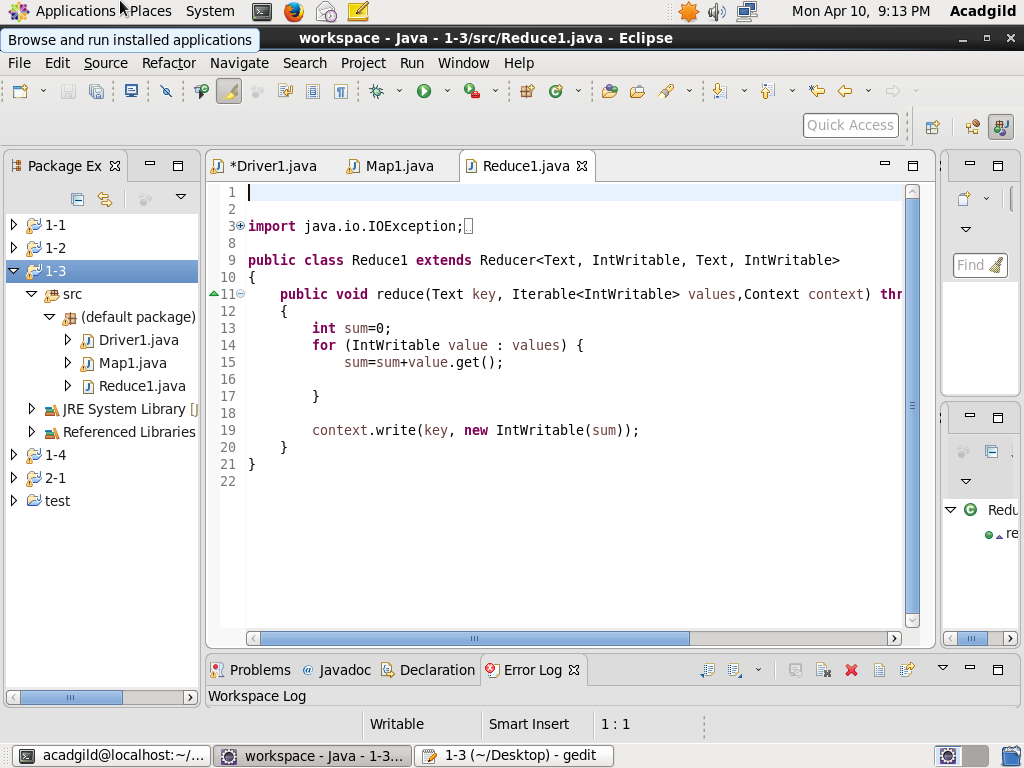
DRIVER CLASS



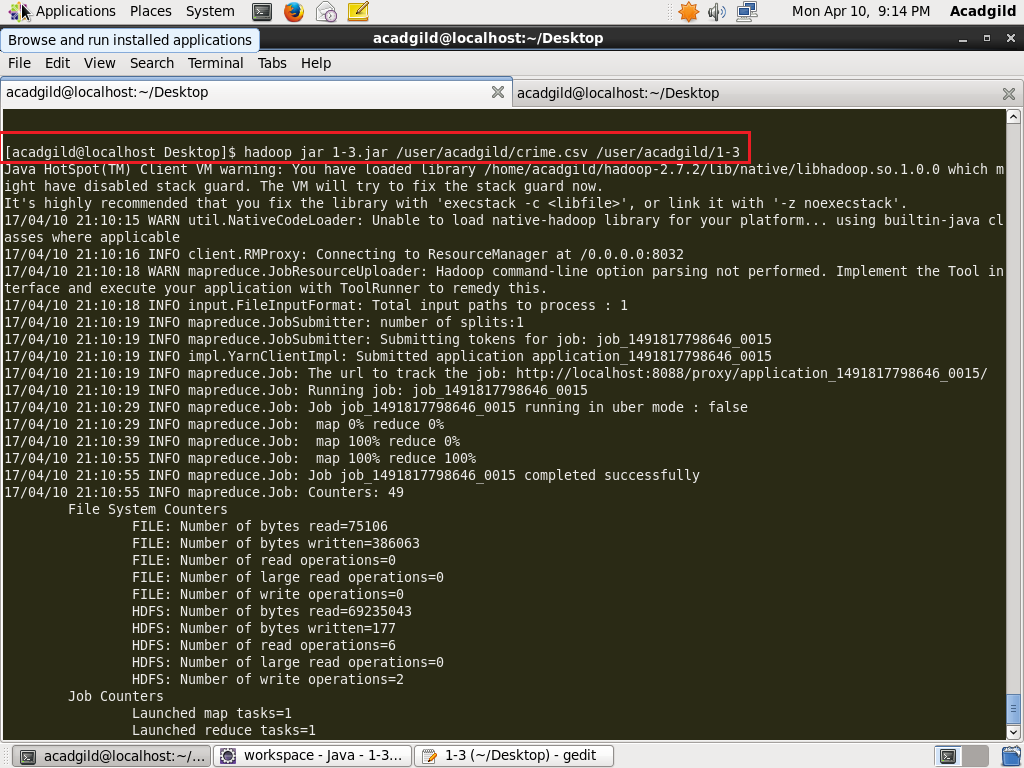
MAPPER CLASS



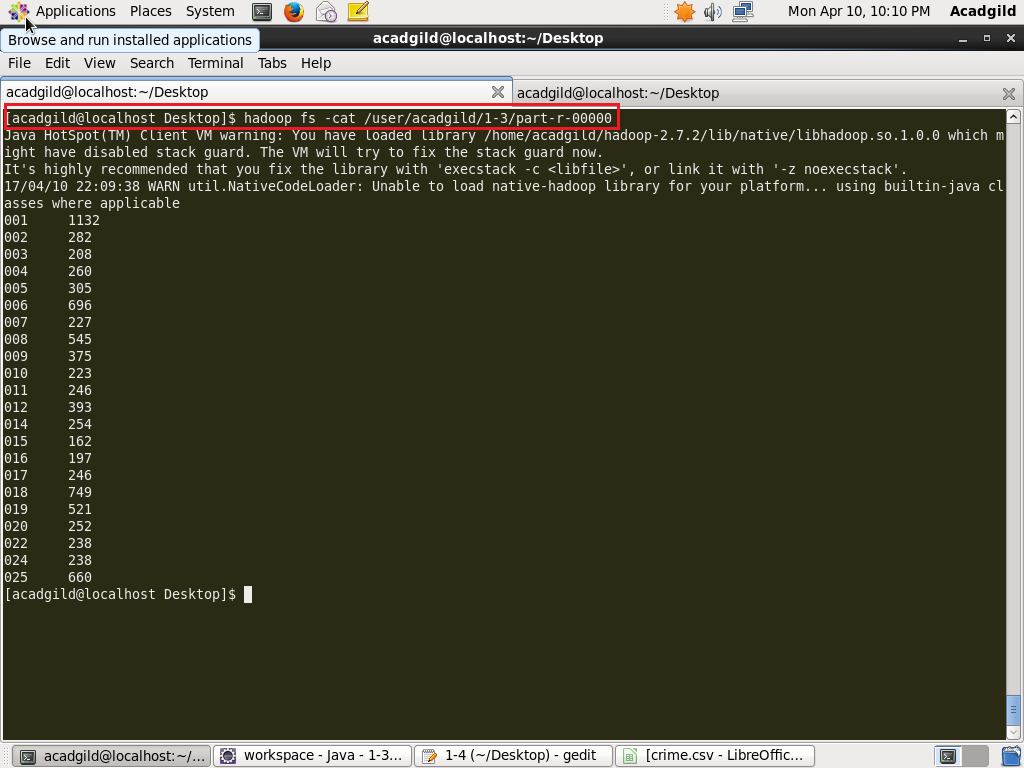
REDUCER CLASS



**EXECUTION COMMAND:**

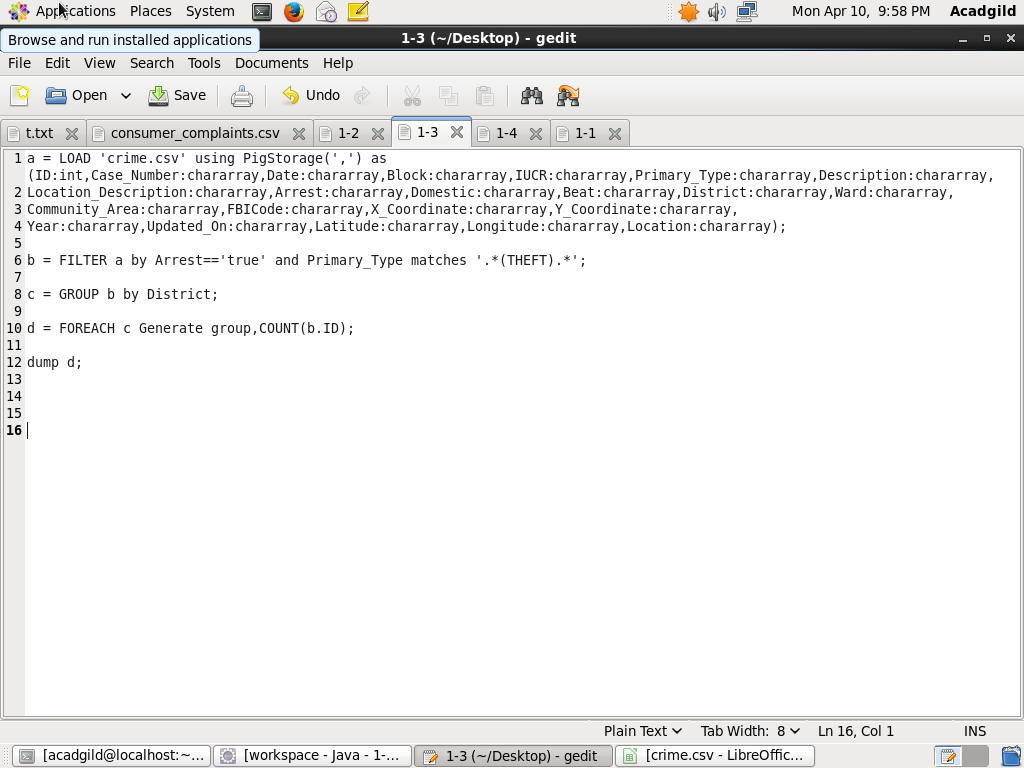
****

**OUTPUT:**

****

**2. PIG:**

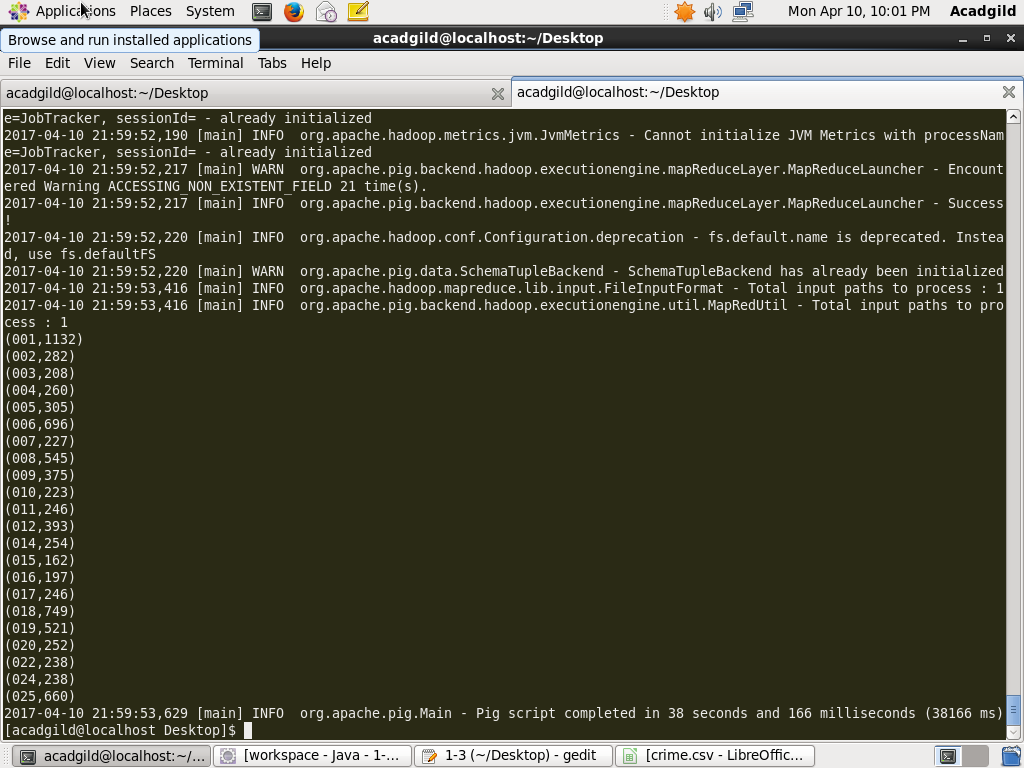
**PROGRAM:**

****

**EXECUTION COMMAND:**

****

**OUTPUT:**

****

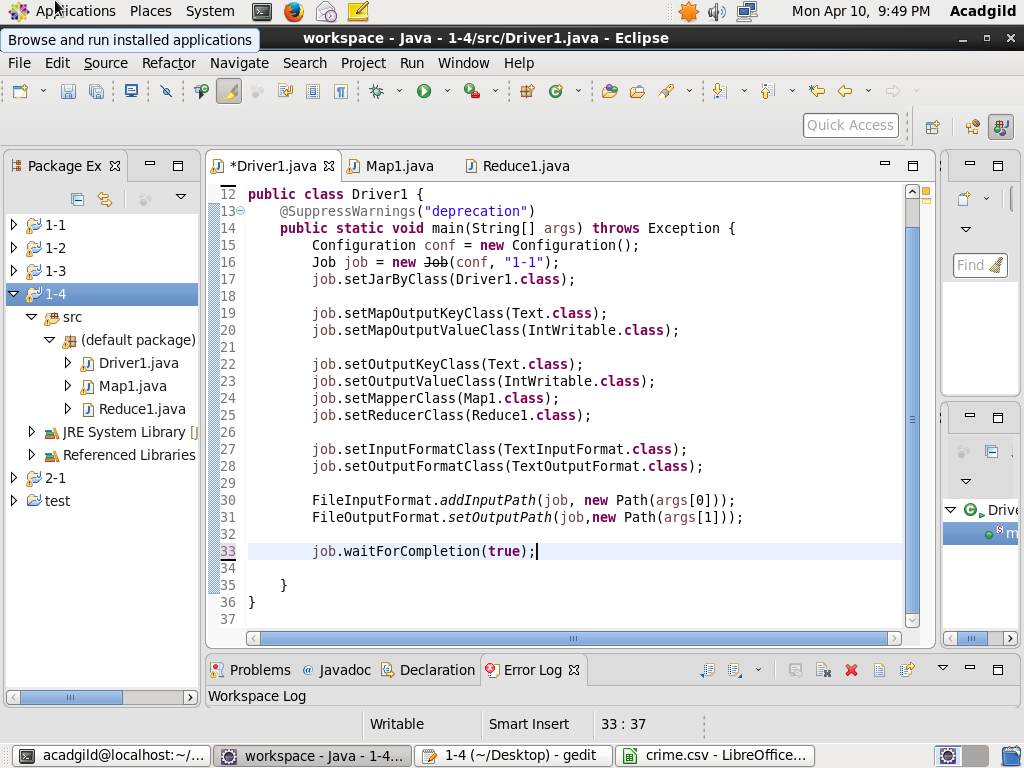
**Q4-Write a mapreduce and pig program to calculate the number of arrests done between October 2014 and October 2015.**

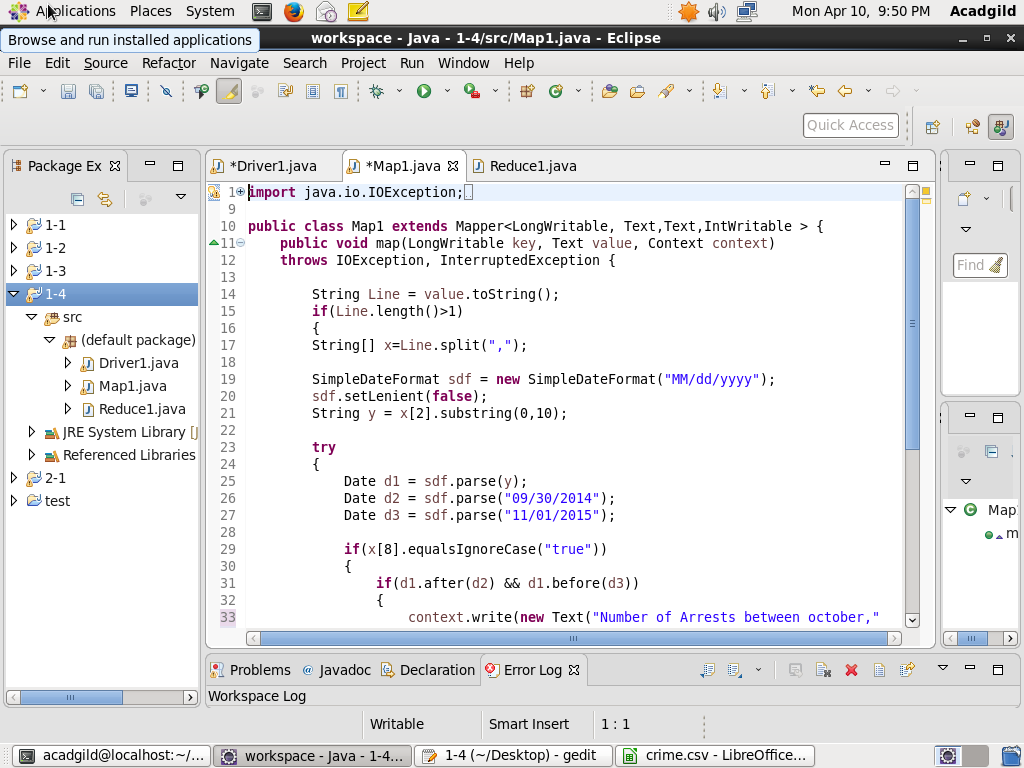
**SOLUTION:**

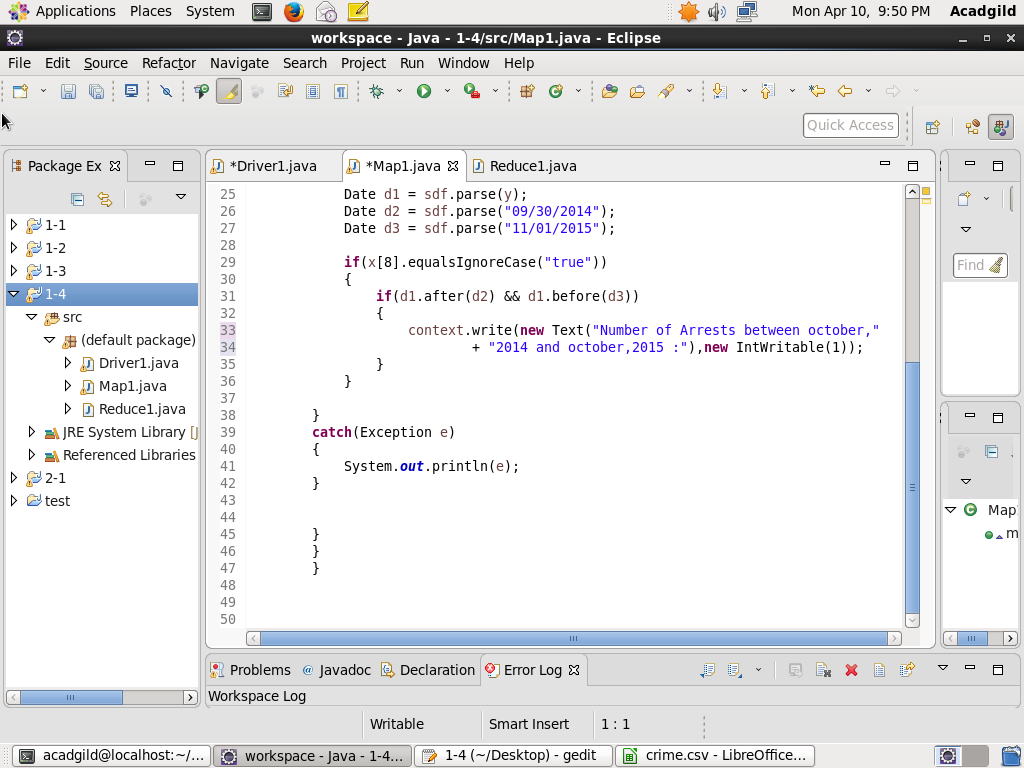
**1. MAP REDUCE:**

**PROGRAM:**

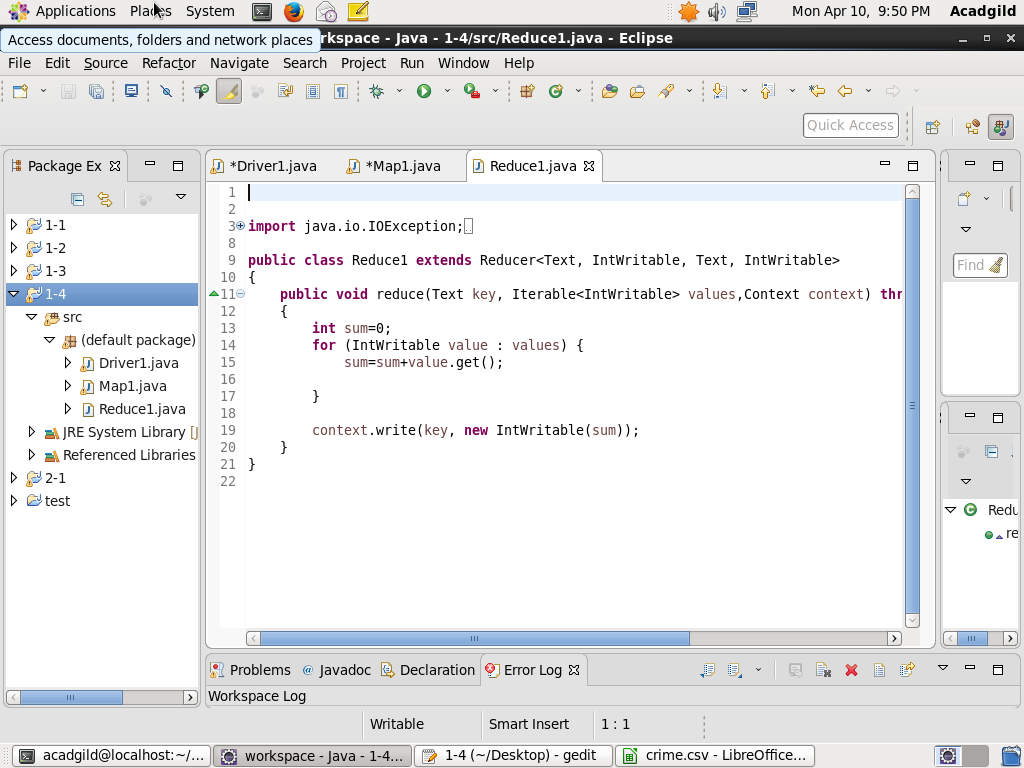
DRIVER CLASS



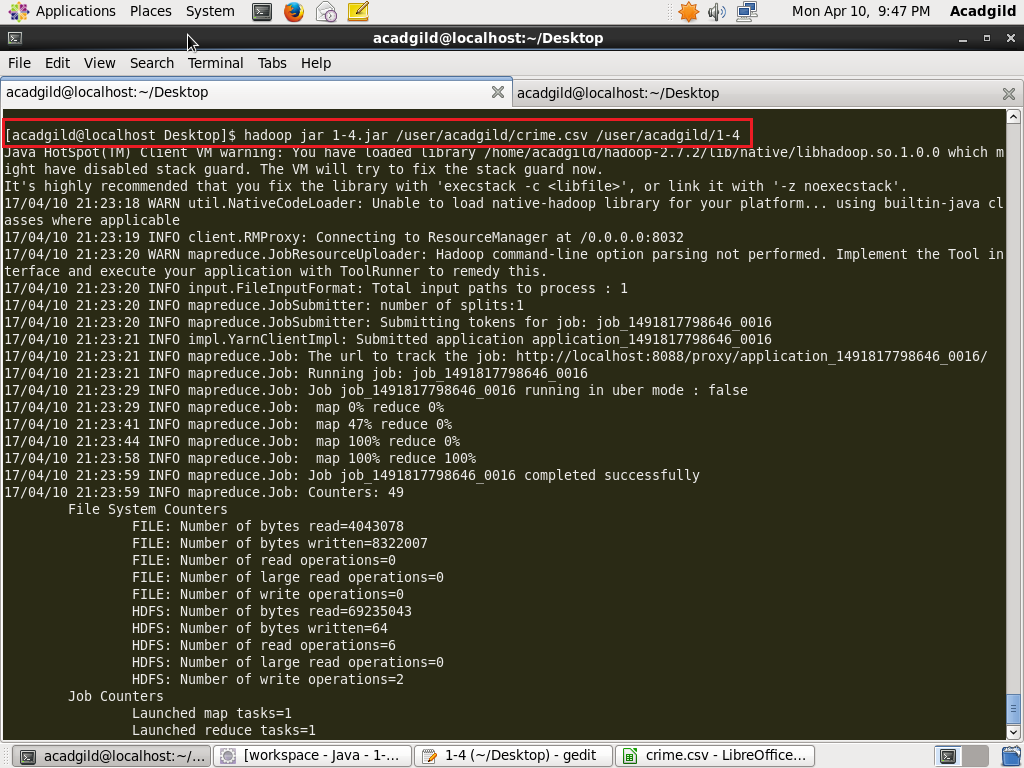
MAPPER CLASS

****

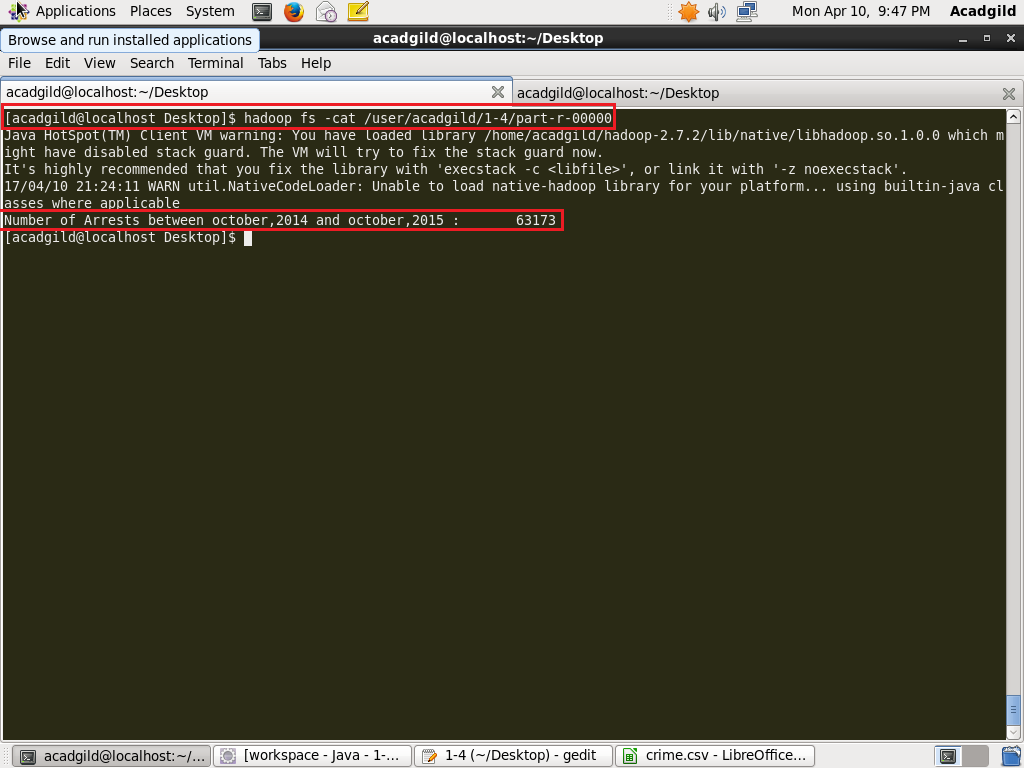
REDUCER CLASS



**EXECUTION COMMAND:**

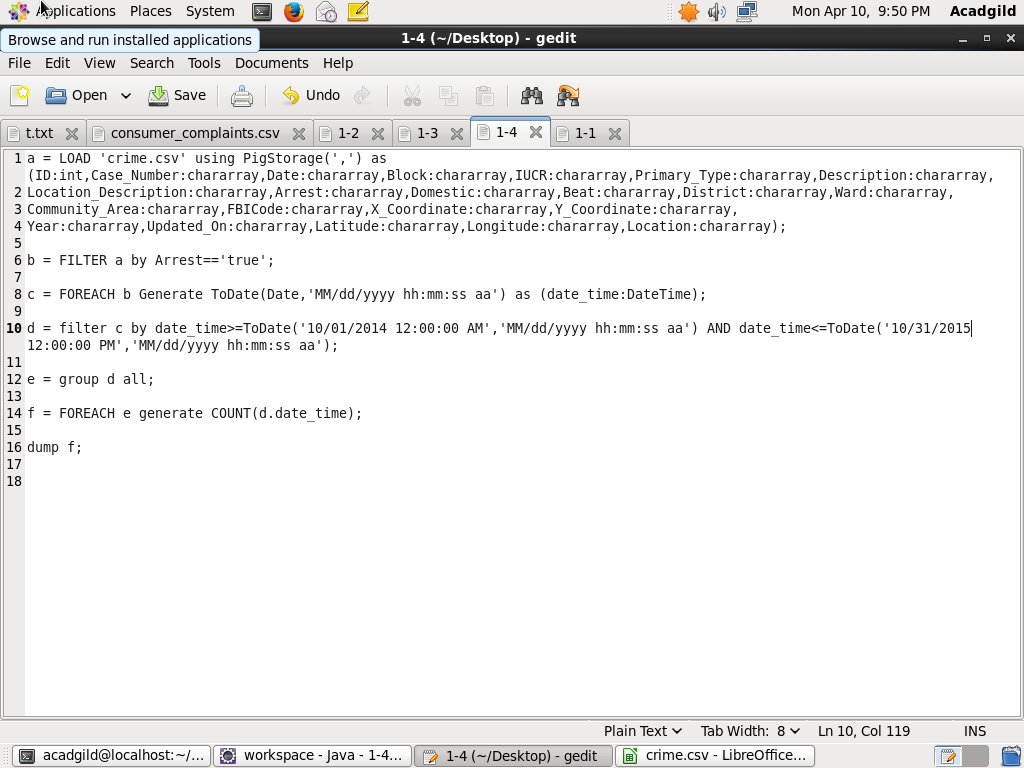
****

**OUTPUT:**

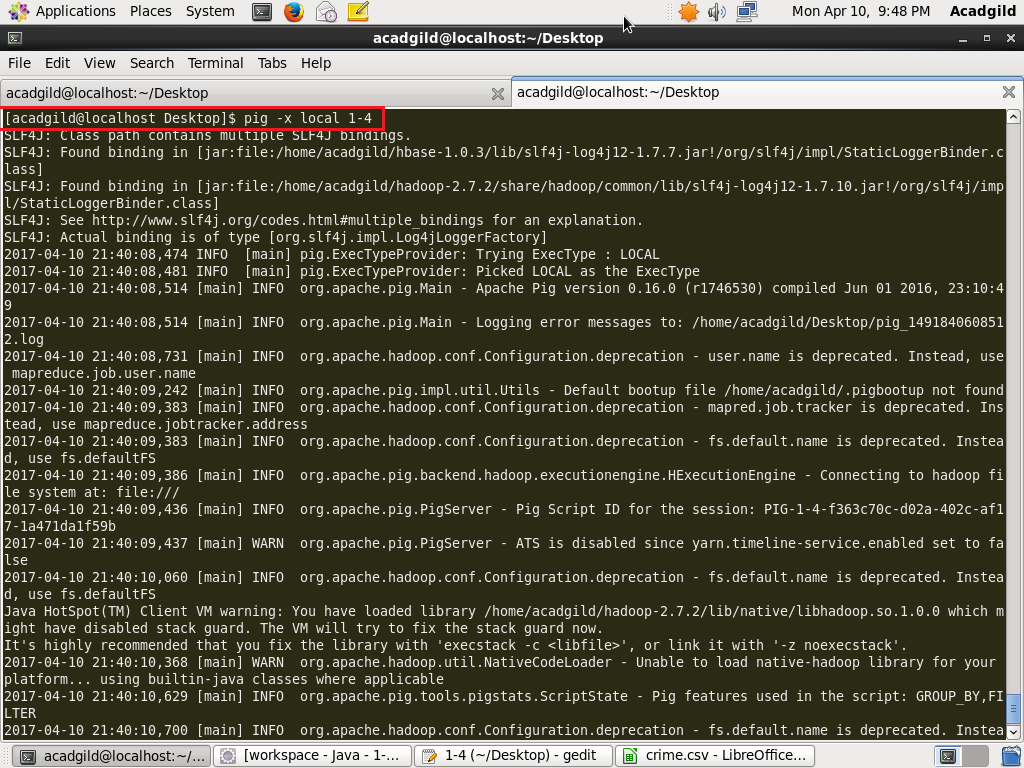
****

**2. PIG**

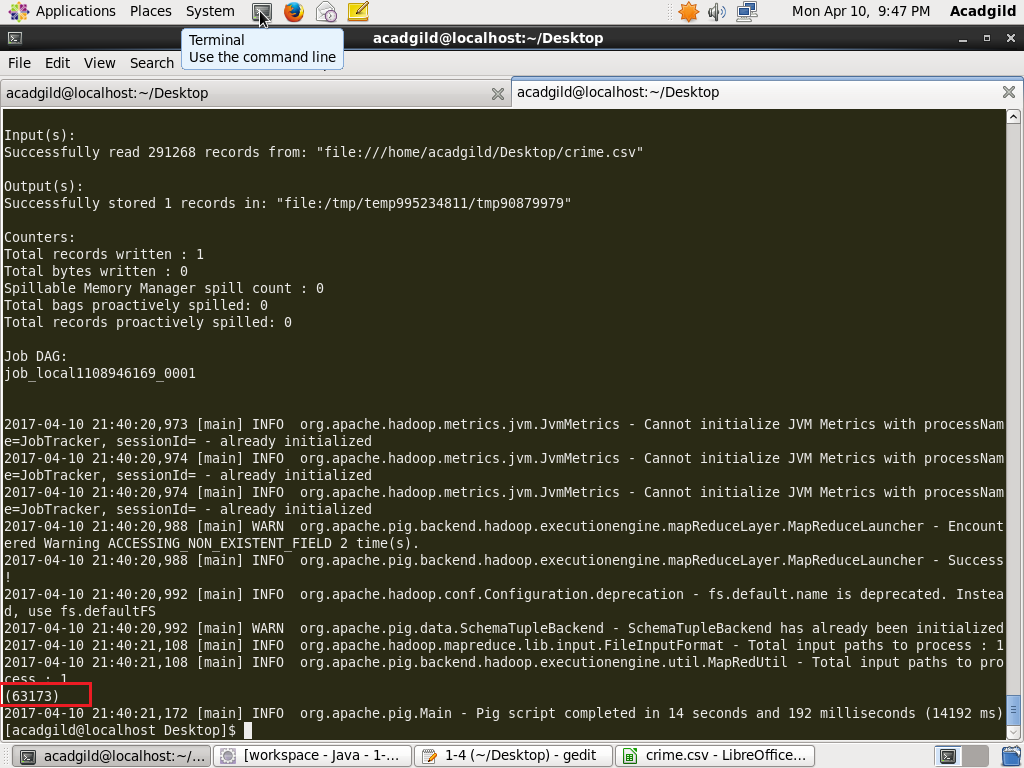
**PROGRAM:**

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**EXECUTION COMMAND:**

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**OUTPUT:**

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