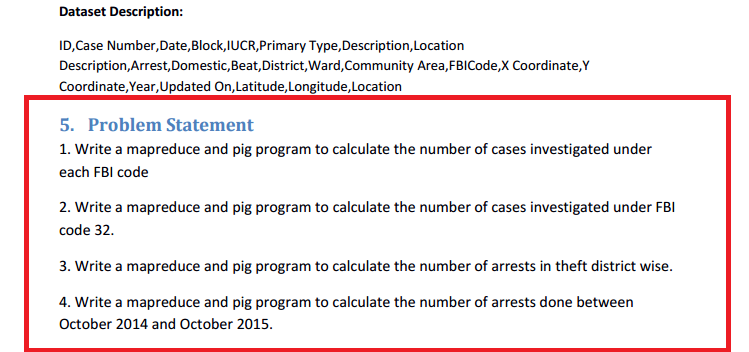
**Problem Statement:**



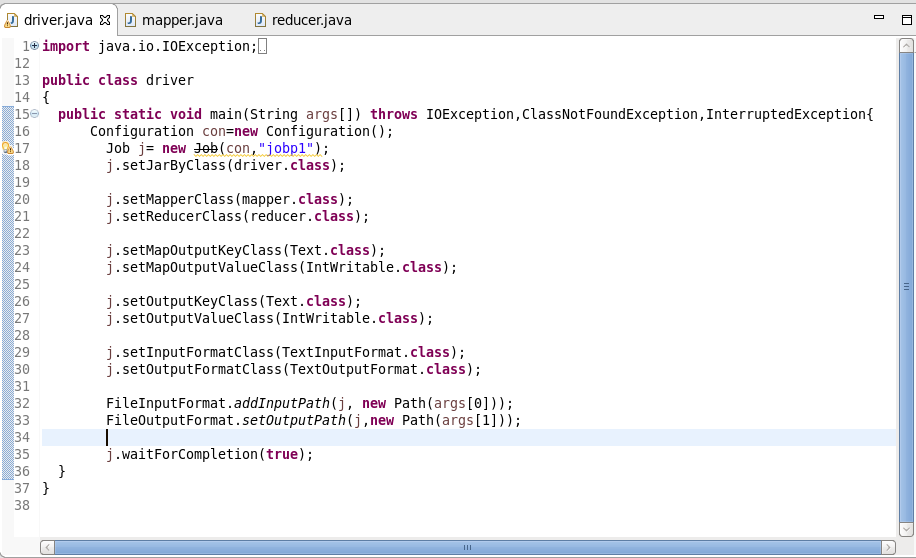
1. Write a mapreduce and pig program to calculate the number of cases investigated under each FBI code

**Solution:**

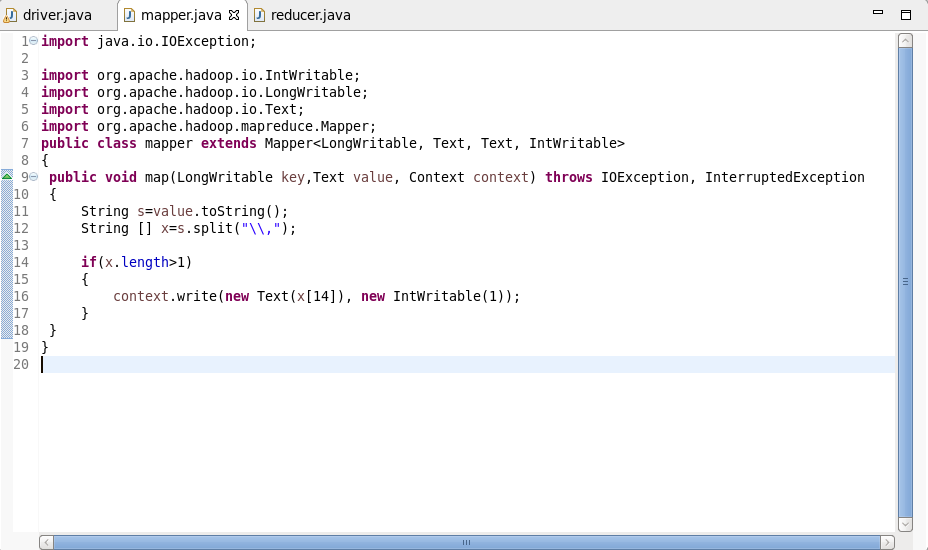
**-Map Reduce:-**

**Program:**

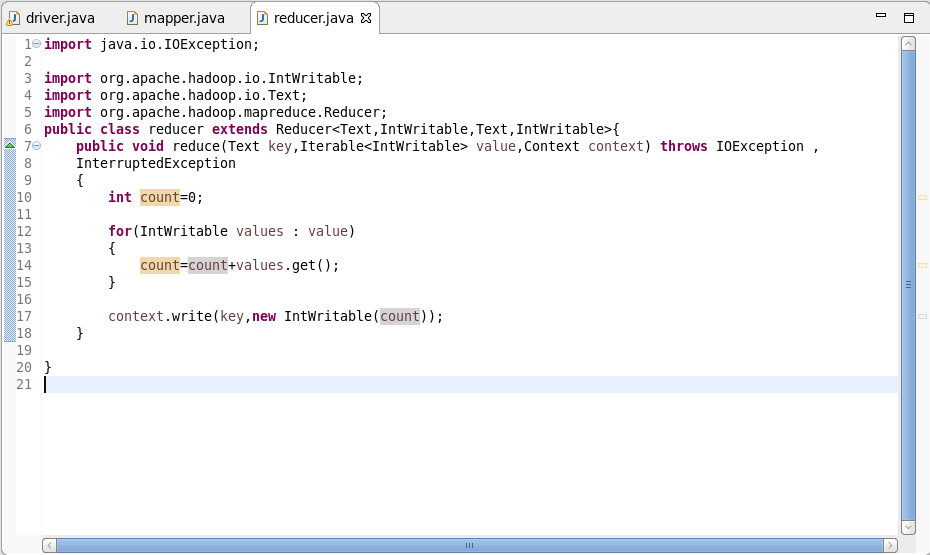
**Driver Class:**



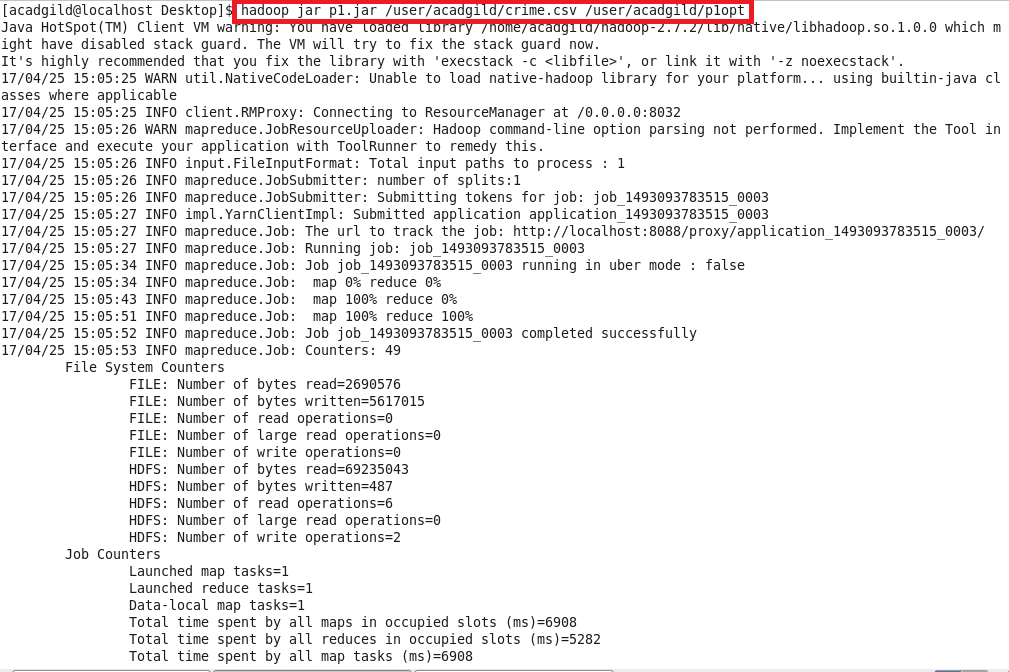
**Mapper Class:**



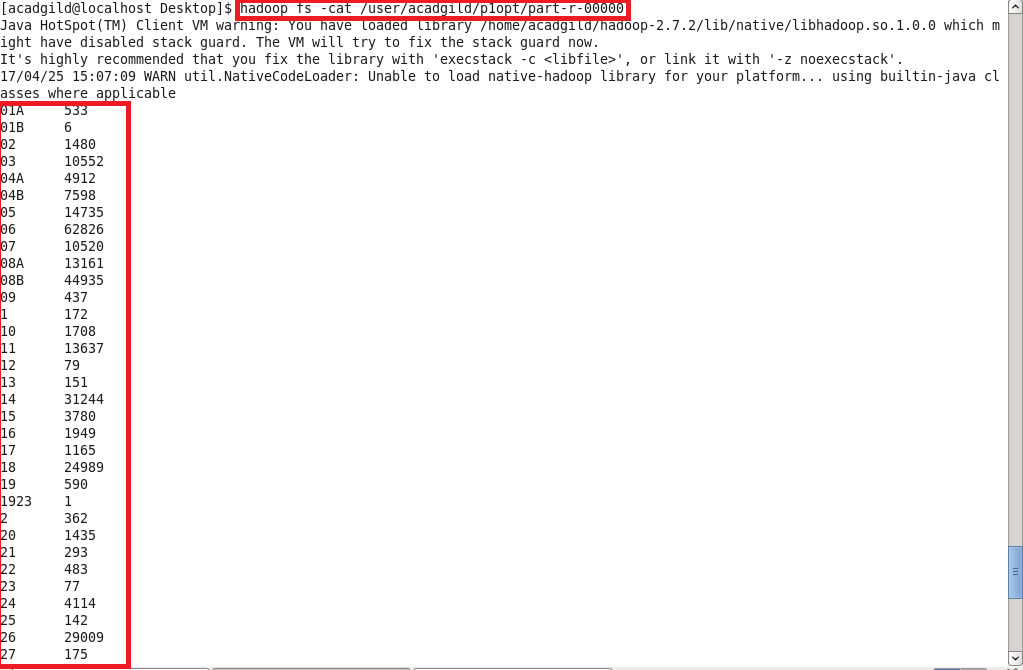
**Reducer Class:**

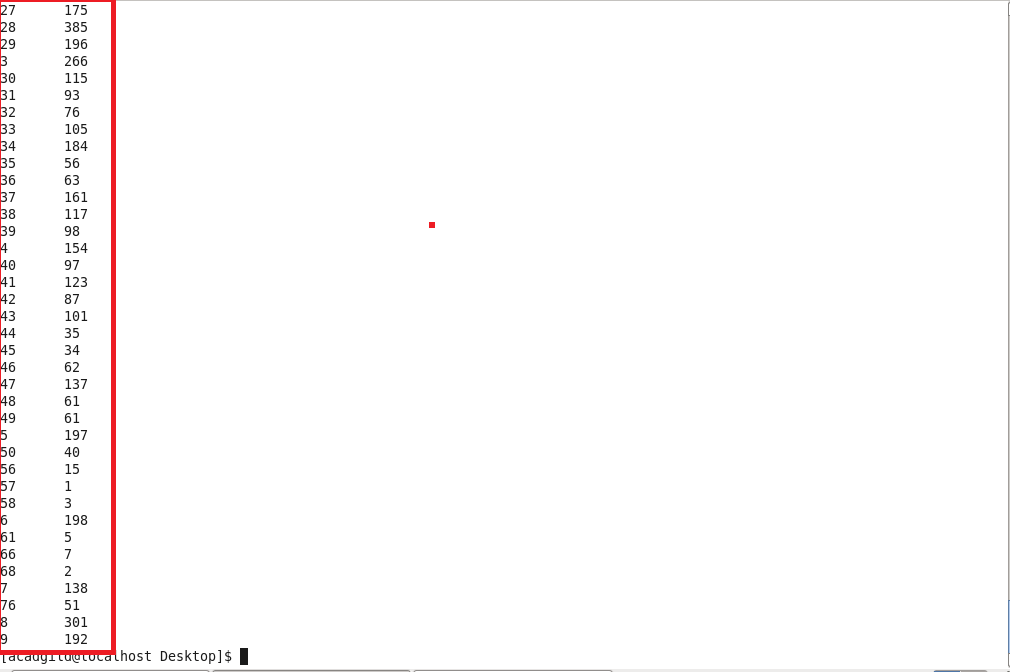


**Execution Command:**



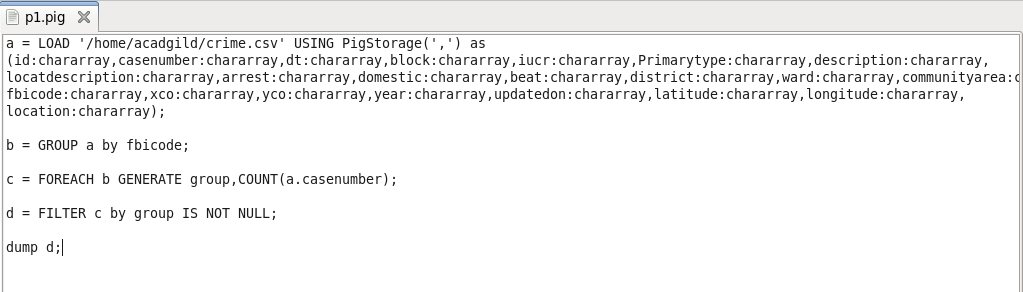
**Output:**



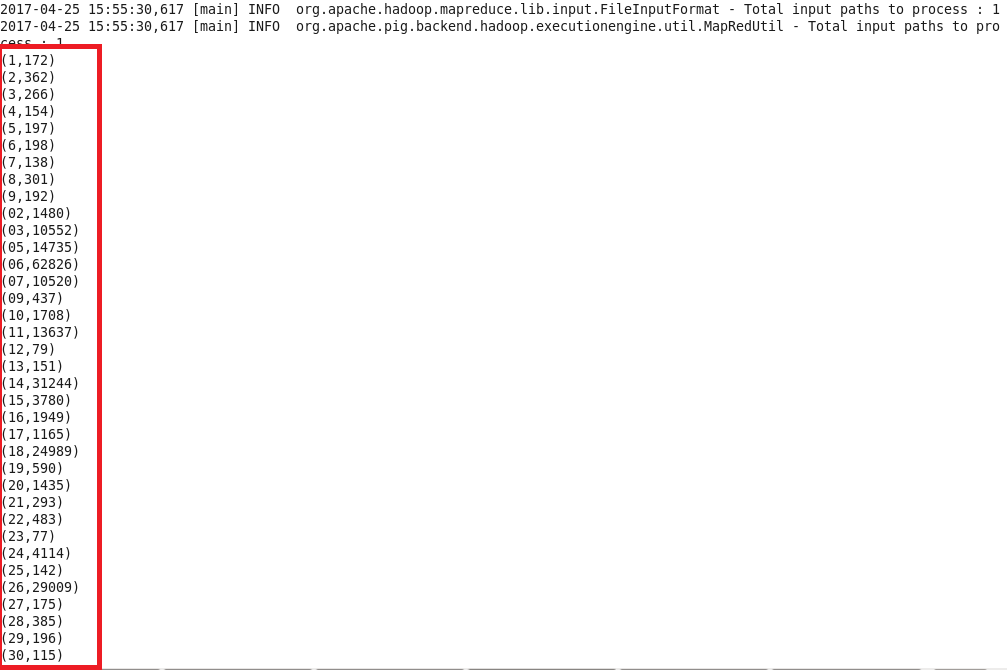


**-Pig :-**

**Program:**



**Output:**





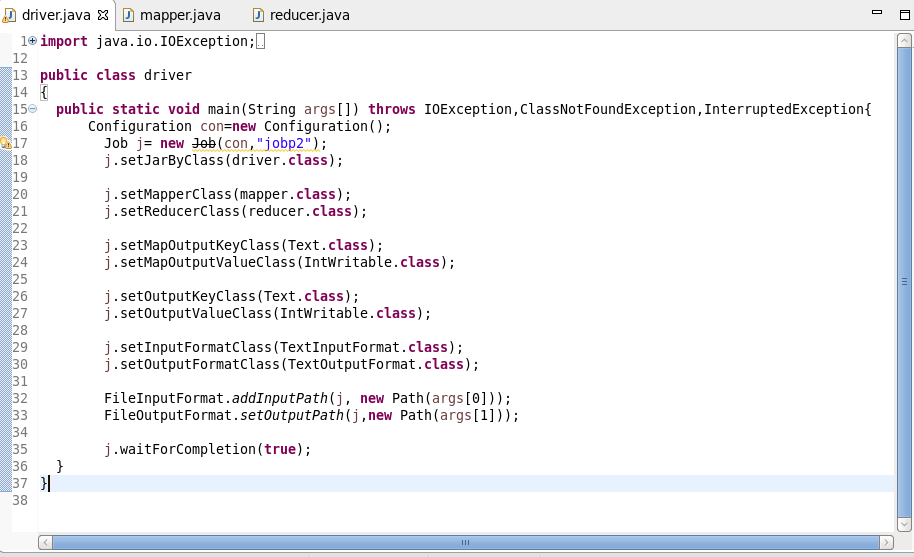
1. Write a mapreduce and pig program to calculate the number of cases investigated under FBI code 32.

**Solution:**

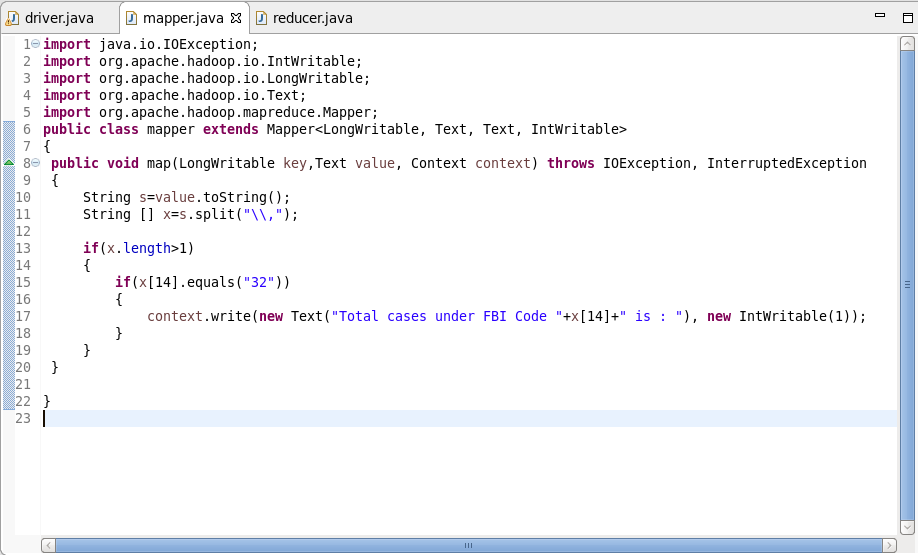
**-Map Reduce:-**

**Program:**

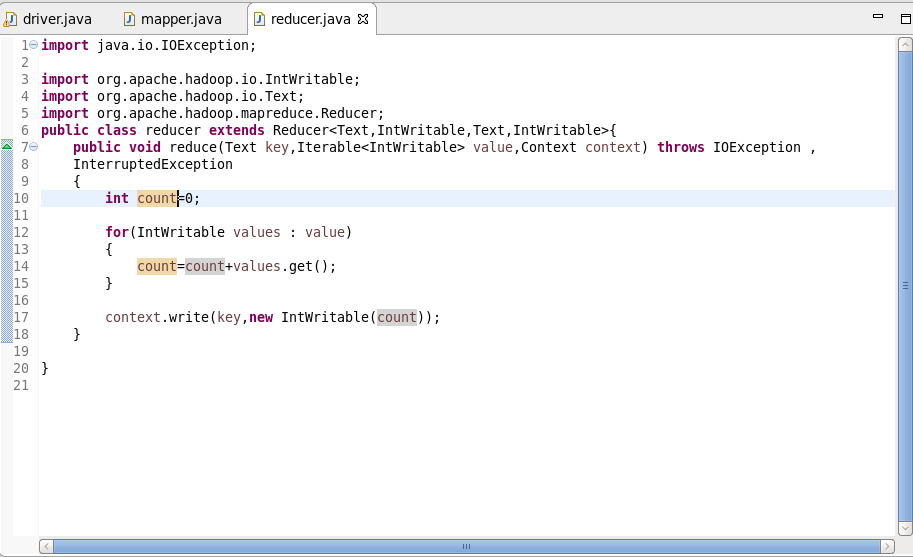
**Driver Class:**



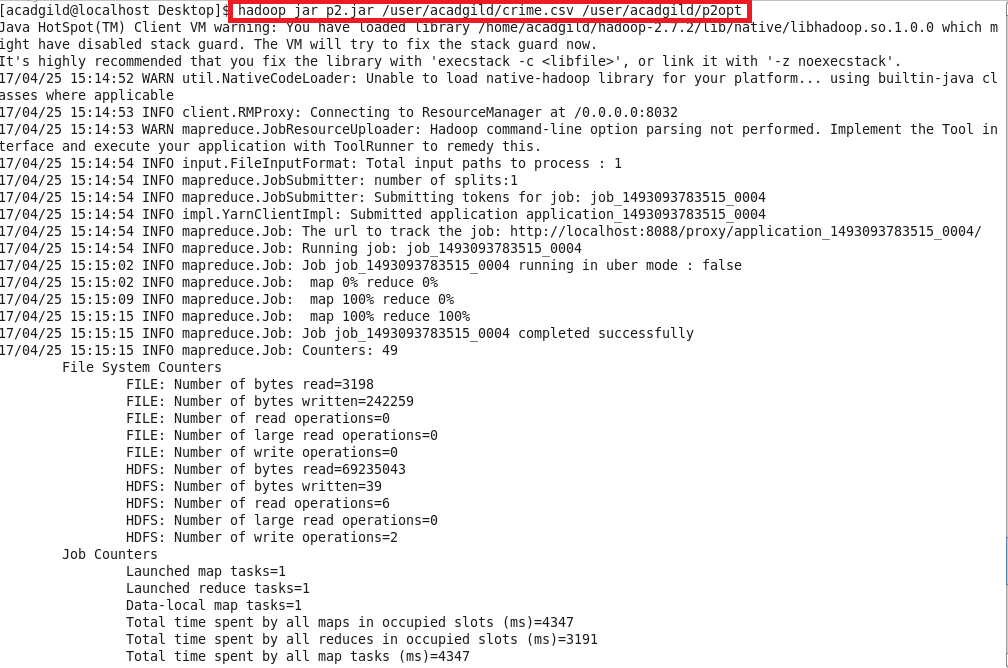
**Mapper Class:**



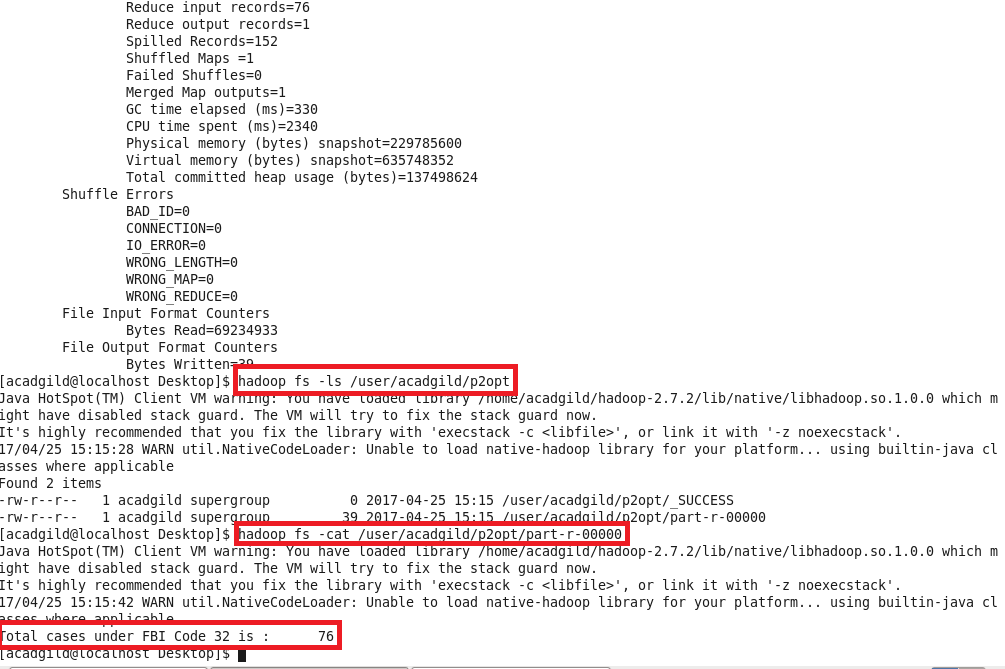
**Reducer Class:**



**Execution Command:**

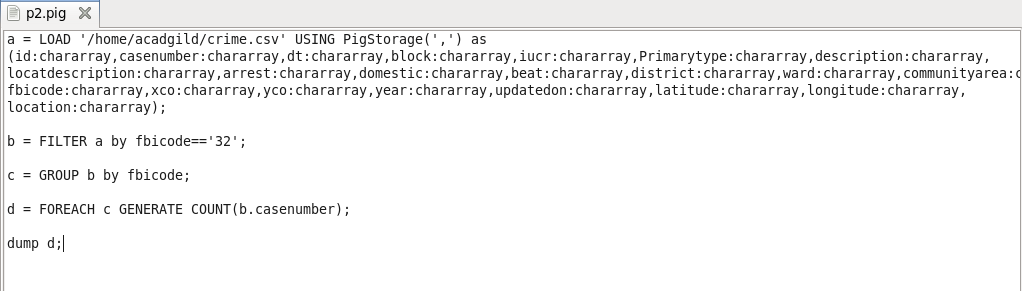


**Output:**

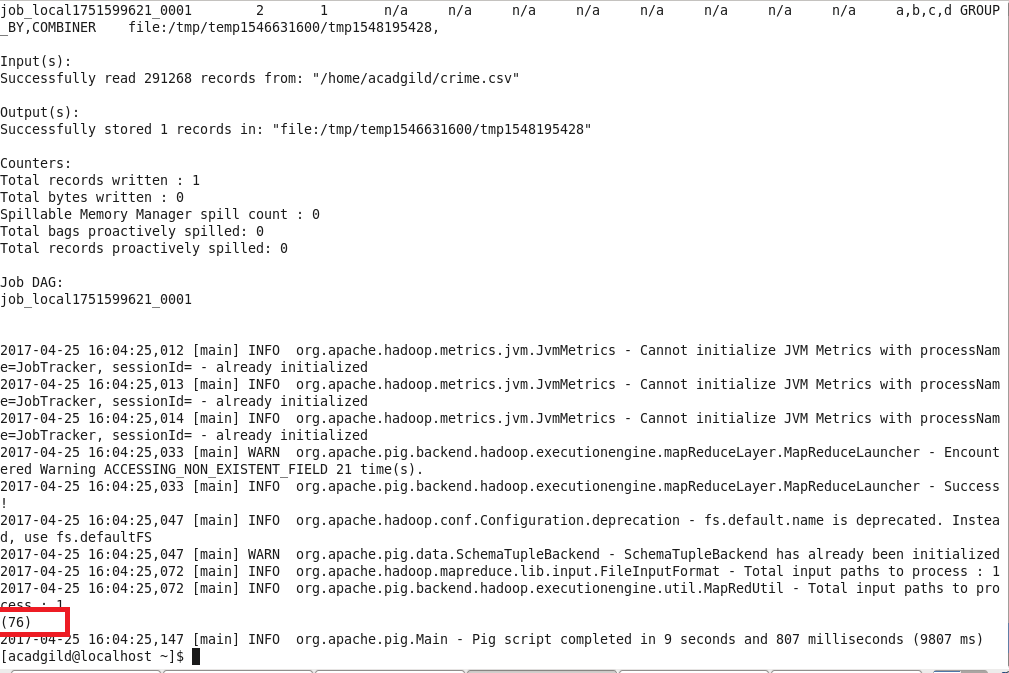


**-Pig:-**

**Program:**



**Output:**



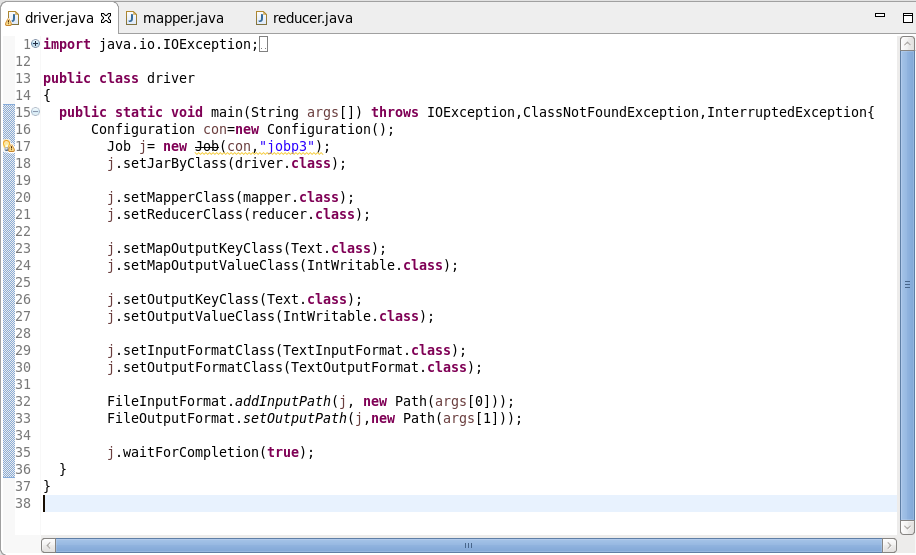
1. Write a mapreduce and pig program to calculate the number of arrests in theft district wise.

**Solution:**

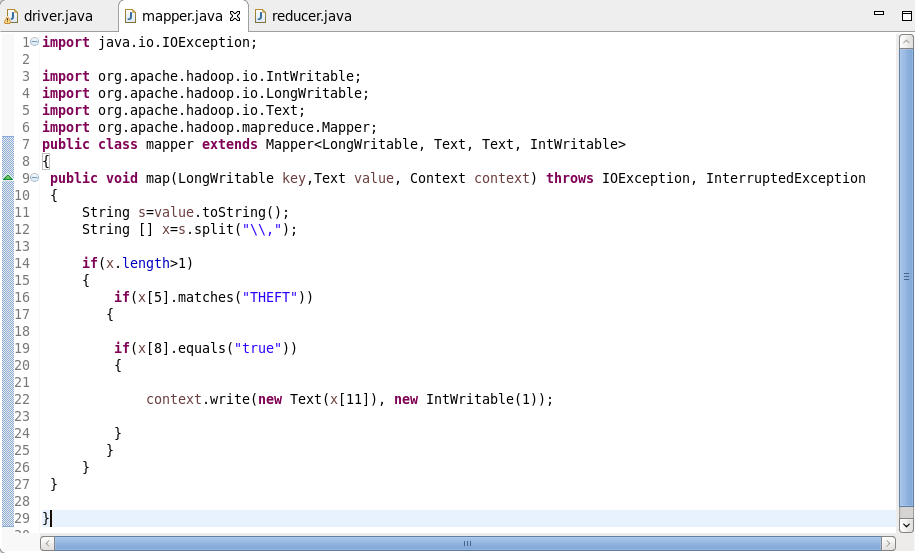
**Program:**

**-Map Reduce:-**

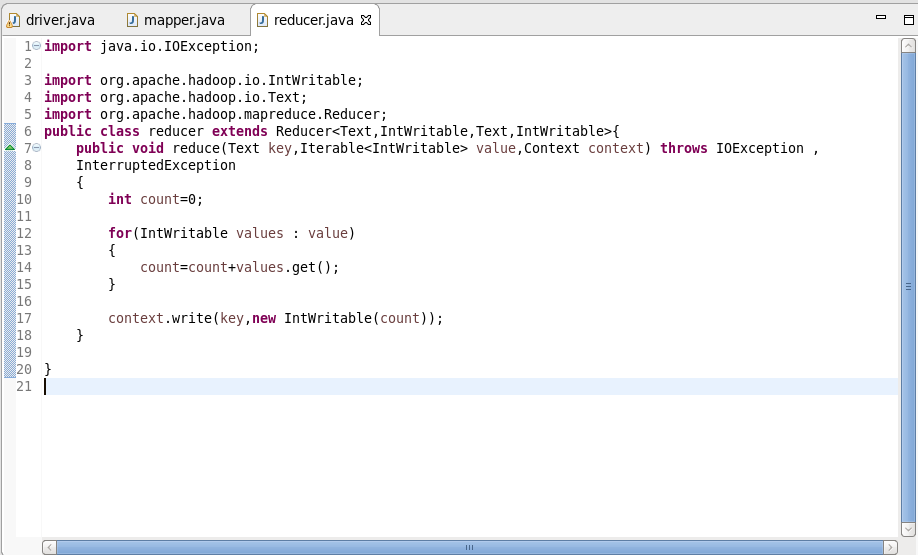
**Driver Class:**



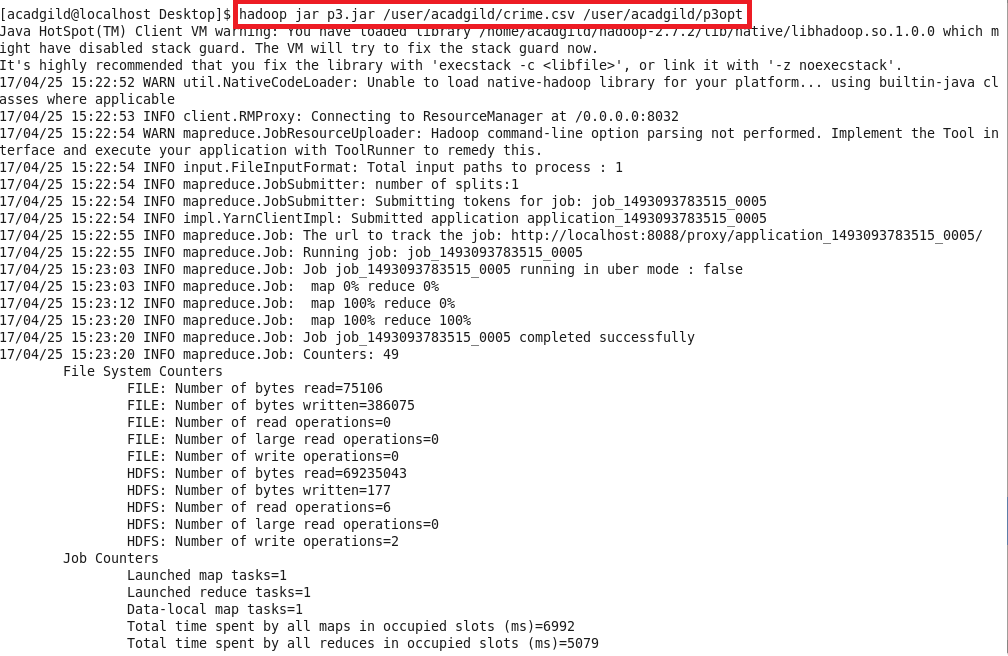
**Mapper Class:**



**Reducer Class:**



**Execution Command:**

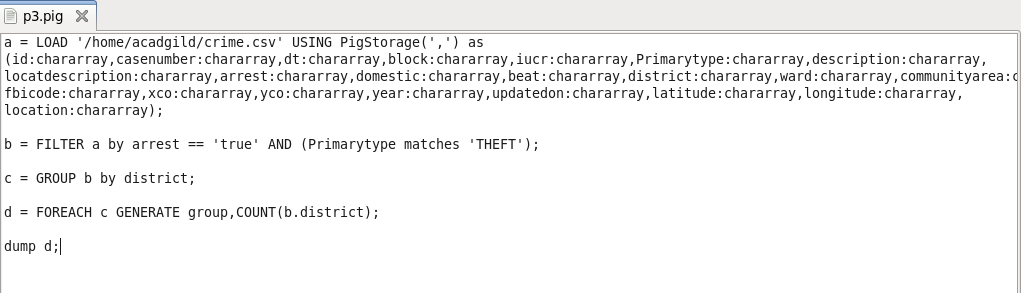


**Output:**

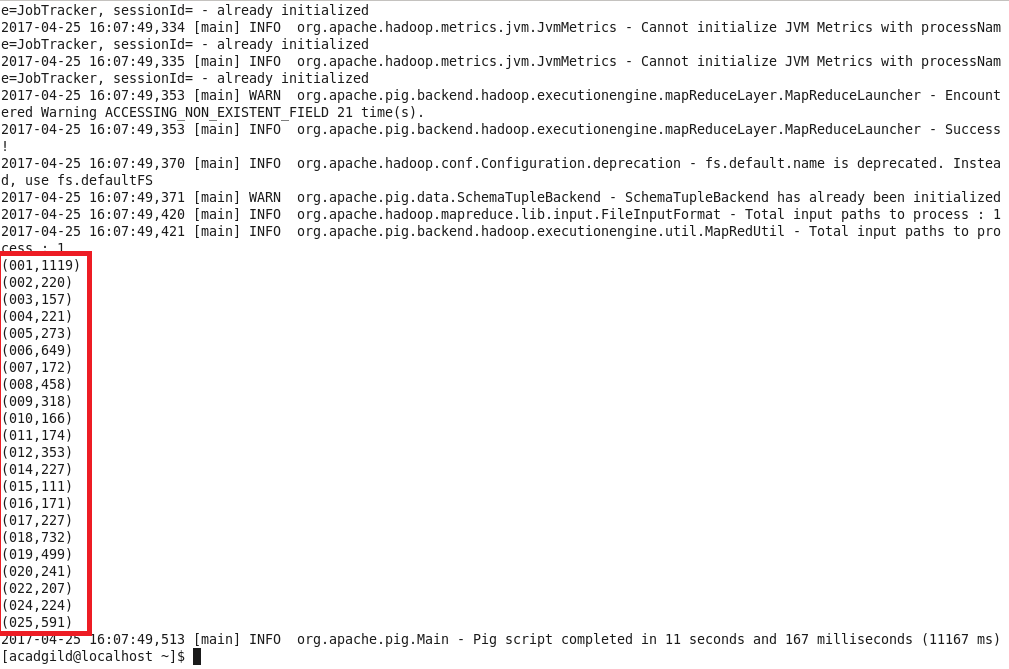


**-Pig:-**

**Program:**



**Output:**



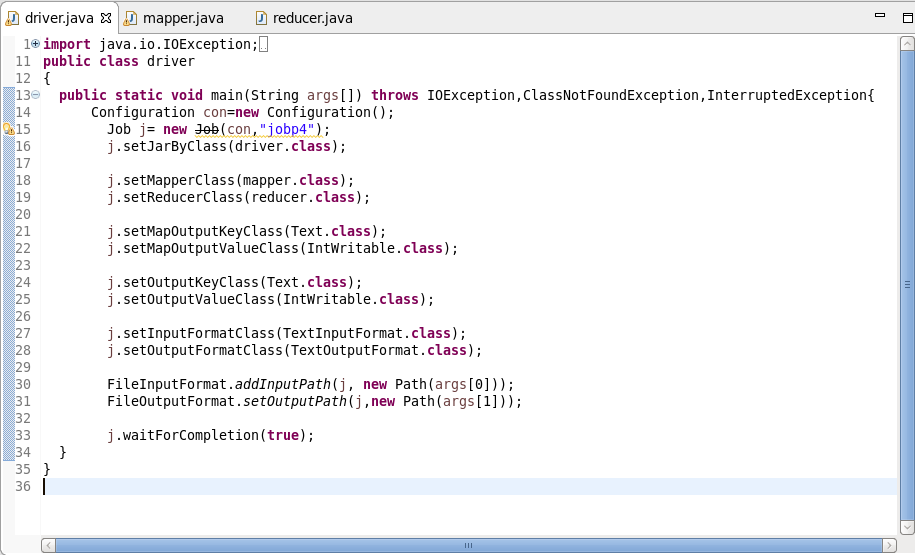
1. Write a mapreduce and pig program to calculate the number of arrests done between October 2014 and October 2015.

**Solution:**

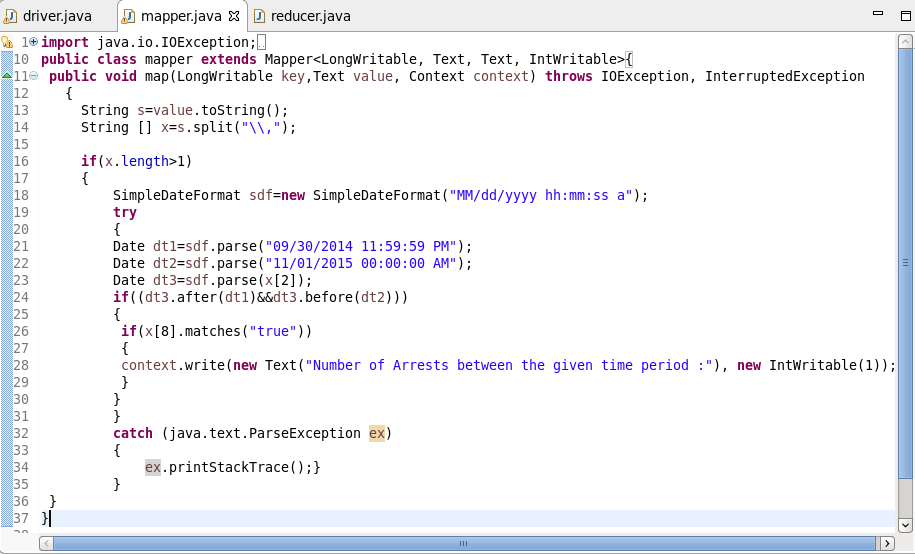
**-Map Reduce:**

**Program:**

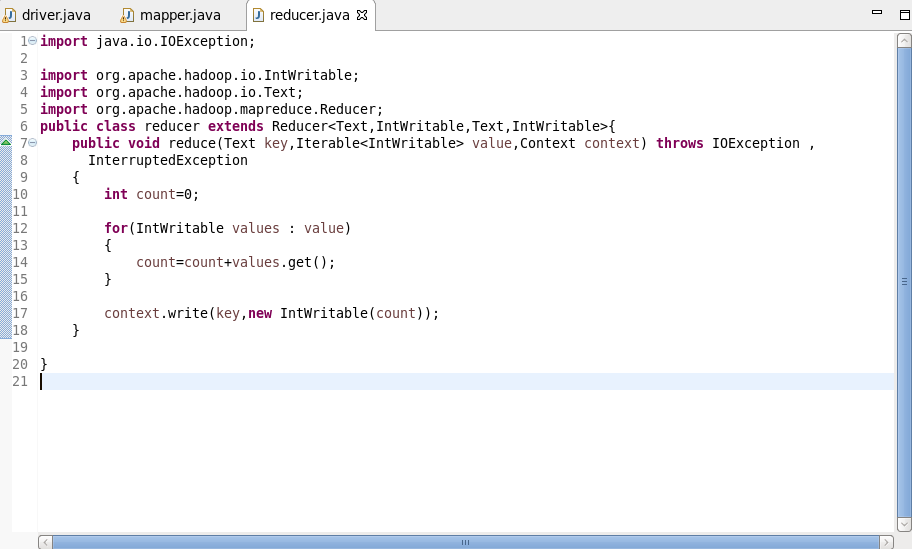
**Driver Class:**



**Mapper Class:**



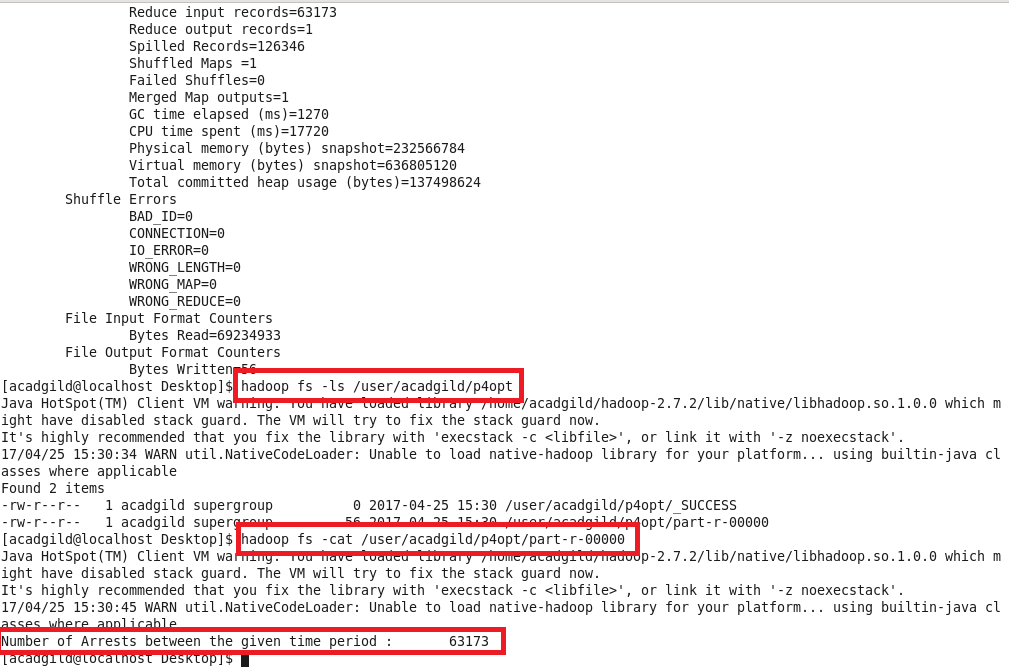
**Reducer Class:**



**Execution Command:**

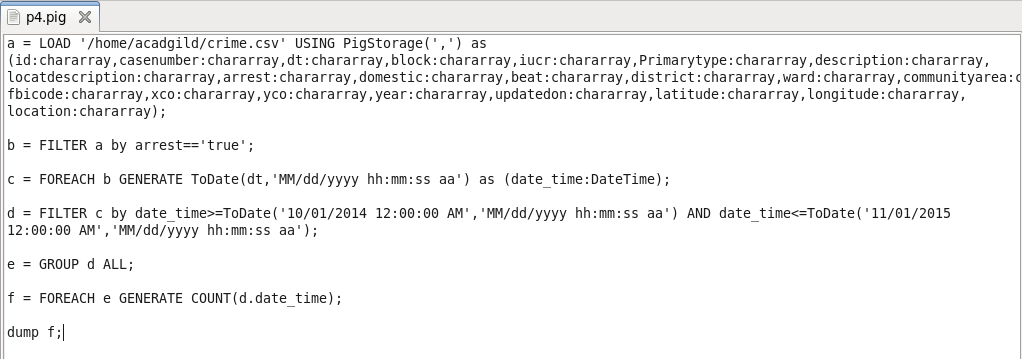


**Output:**



**-Pig:-**

**Program:**



**Output:**

