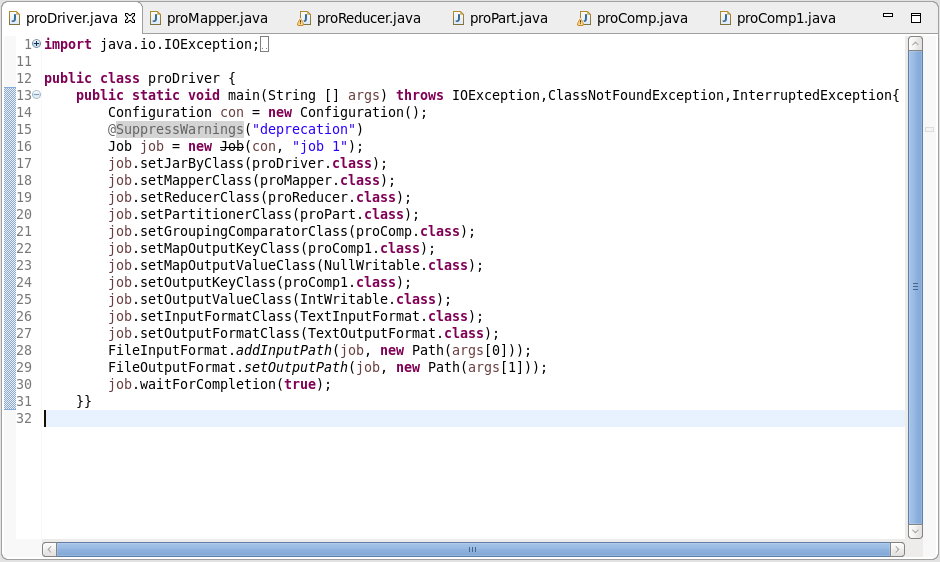
**Session 17**

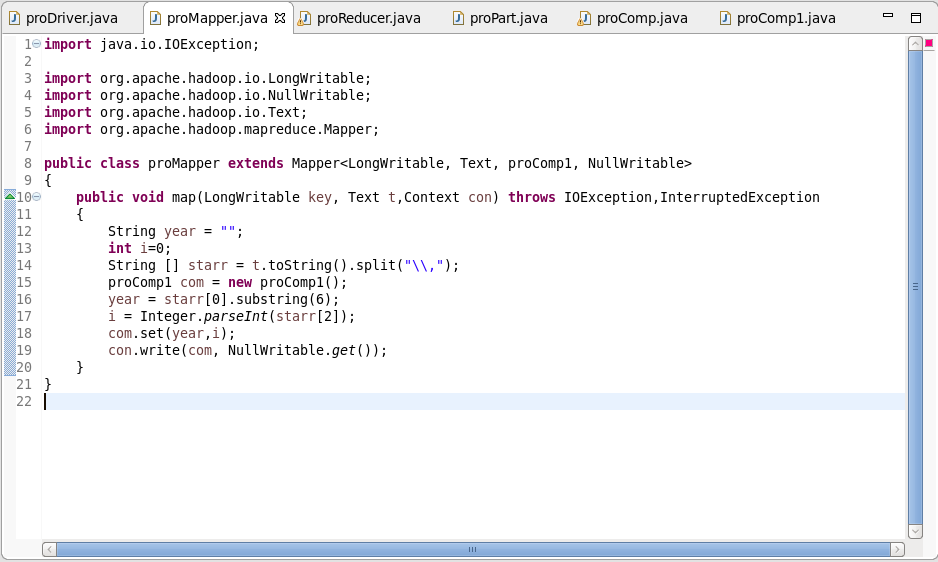
**Assignment 2**

Write a secondary sort program to generate the top 2 maximum temperatures corresponding to every year from the temperature dataset.

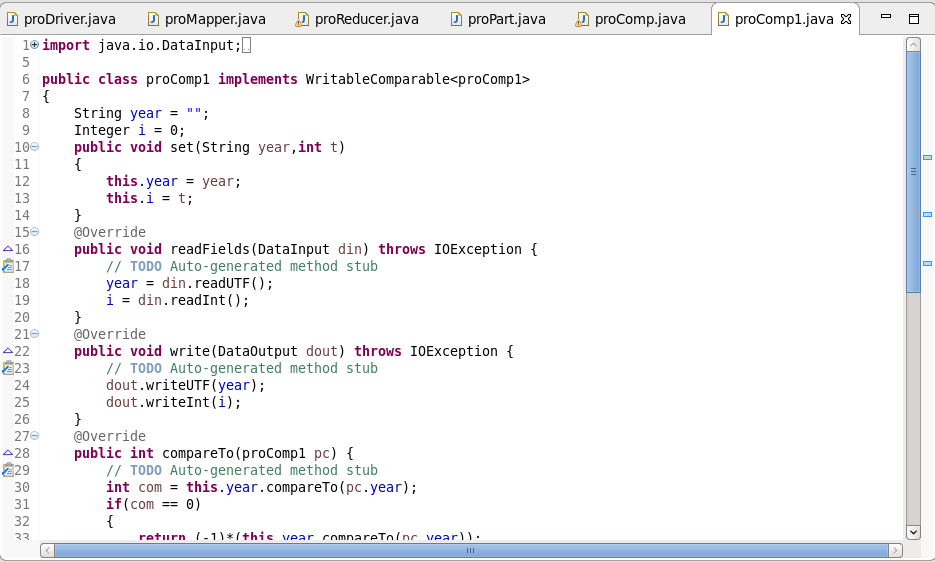
**Driver Class:**

****

**Mapper Class:**

****

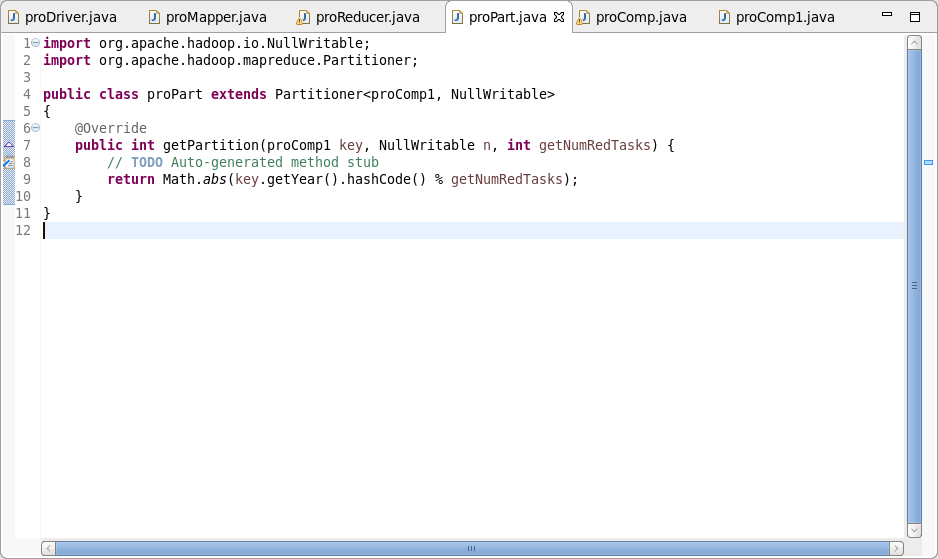
**Composite Key Class:**

****

****

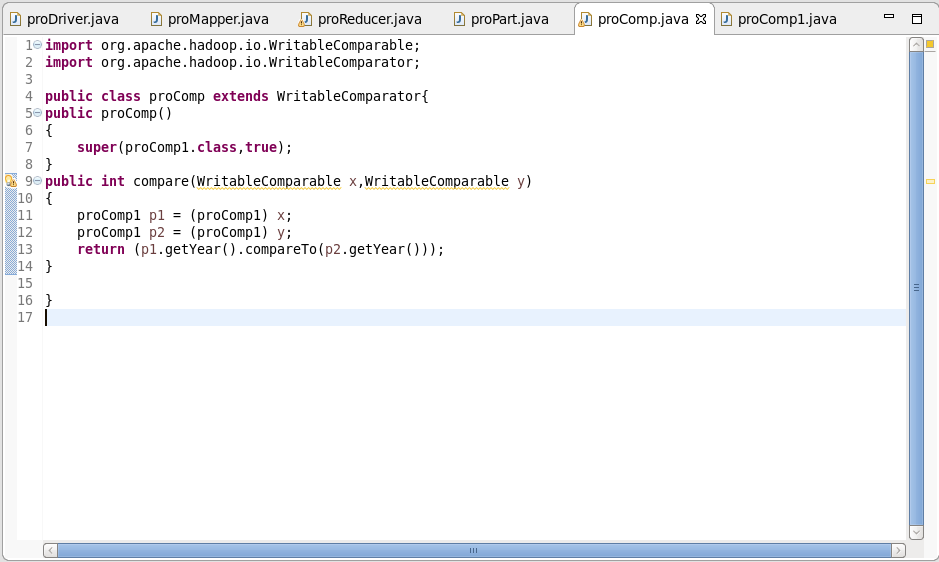
* Overriding the compareTo Method.
* Checking if year is same, if it is same then it will sort the temperature by descending.
* Overriding toString Method.
* To change the way, the composite key should be displayed.
* readFields and write fields is for serialization and deserialization.

**Partitioner Class:**

****

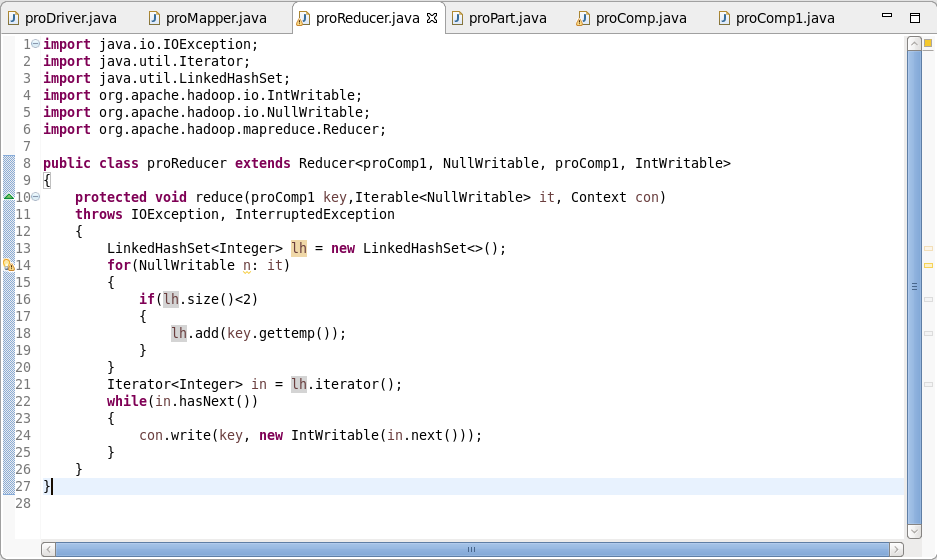
A partitioner is set to partition the dataset by the year part of the key and can guarantee that records for the same year go to the same reducer.

**Group Comparator Class:**

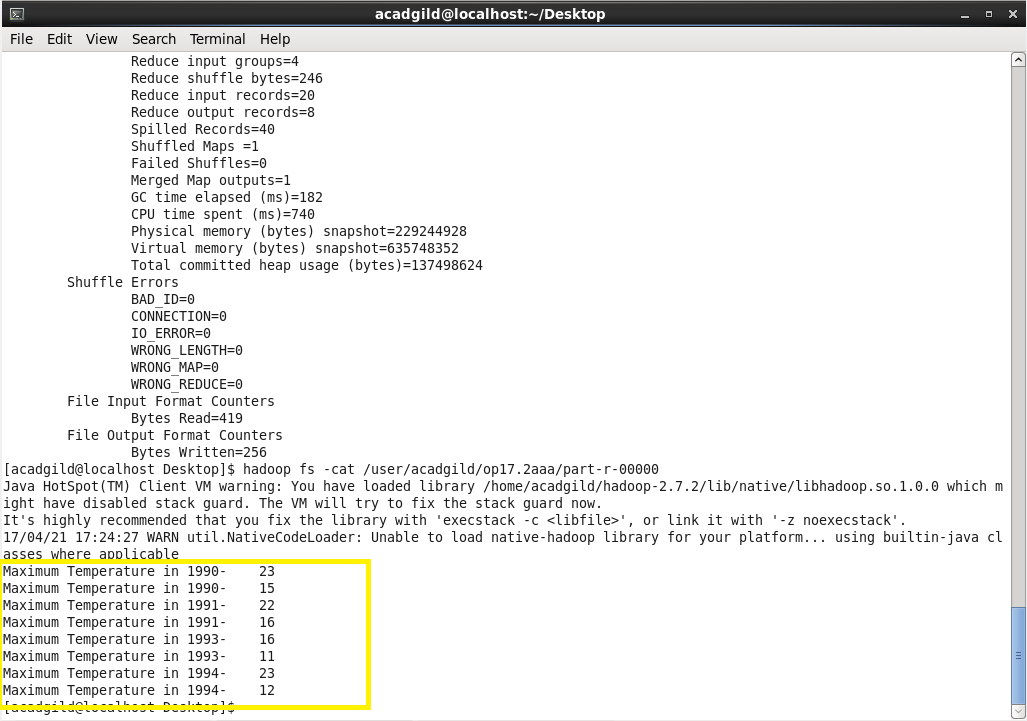
****

Group Comparator Class decides on which map output keys within the Reducer go to the same reduce method call.

**Reducer Class:**

****

**Output:**

****