**ASSIGNMENT 10.6**

1.Write a pig script to find the minimum temperature observed in a given weather station in a particular year.

2. Write a pig script to find the maximum temperature observed in a given weather station in a particular year.

3. Write a pig script to find the number of readings given by each weather station according to the dataset. You can download the dataset from the below link Temperature\_Data Data Definition:

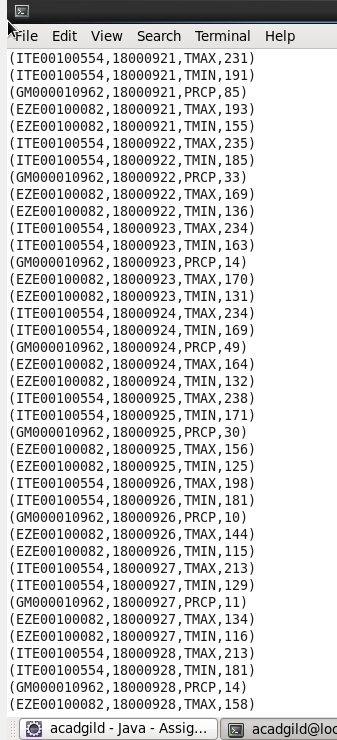
Column 1: Weather Station

Column 2: Date(year/Month/Day)

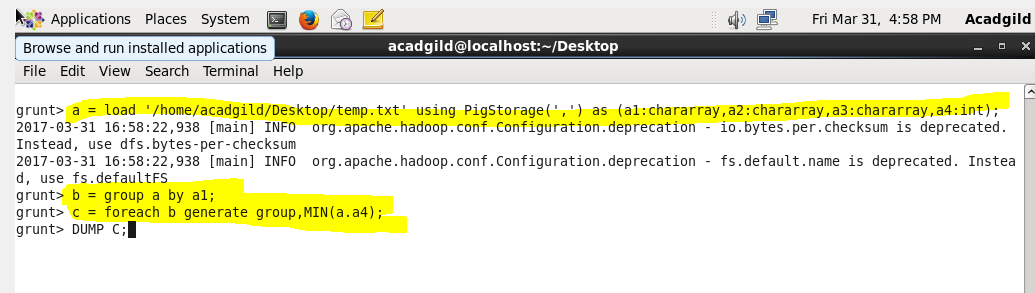
Column 3: Observation Type

Column 4: Temperature

ANS 1) INPUT

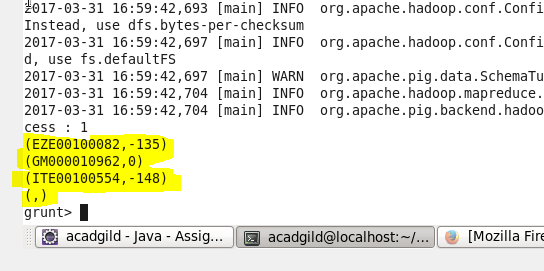
****

**IN THE INPUT FILE TEMP.TXT THERE IS A EMPTY LINE ALSO PRESENT,SO OUTPUT WILL COME ACCORDINGLY.IF WE DELETE THAT EMPTY LINE WE CAN RECTIFY IT**

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**FIRST WE WILL GROUP BY STATION**

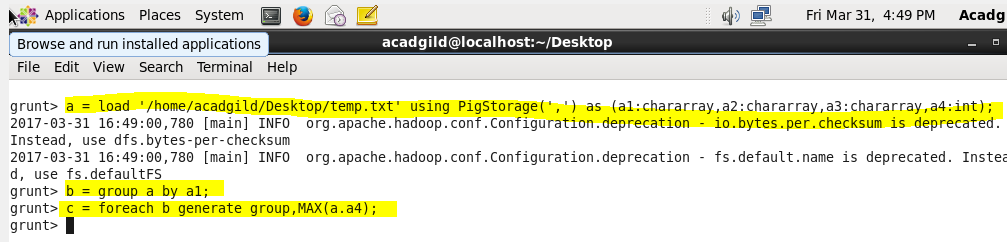
**SECOND USING FOREACH LOOP GENERATE MINIMUM TEMPERATURE**

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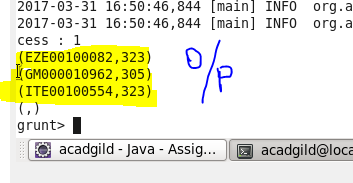
**OUTPUT**

**2)**

**MAXIMUM TEMP**

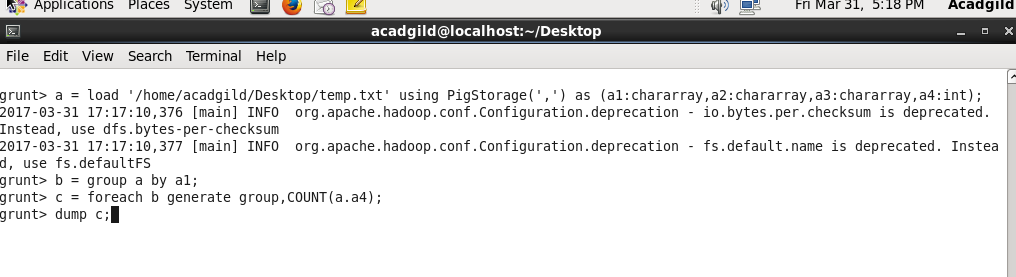
****

**SAME AS MIN BUT JUST USE THE MAX FUNCTION**

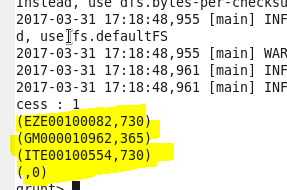
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**MAX TEMP FOR EACH WEATHER STATION**

**3)**

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**GROUP BY STATION AND AND THEN USING COUNT FUNCTION COUNT TEMP READING FOR EACH STATION**

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**OUTPUT TOTAL READING FOR EACH STATION**