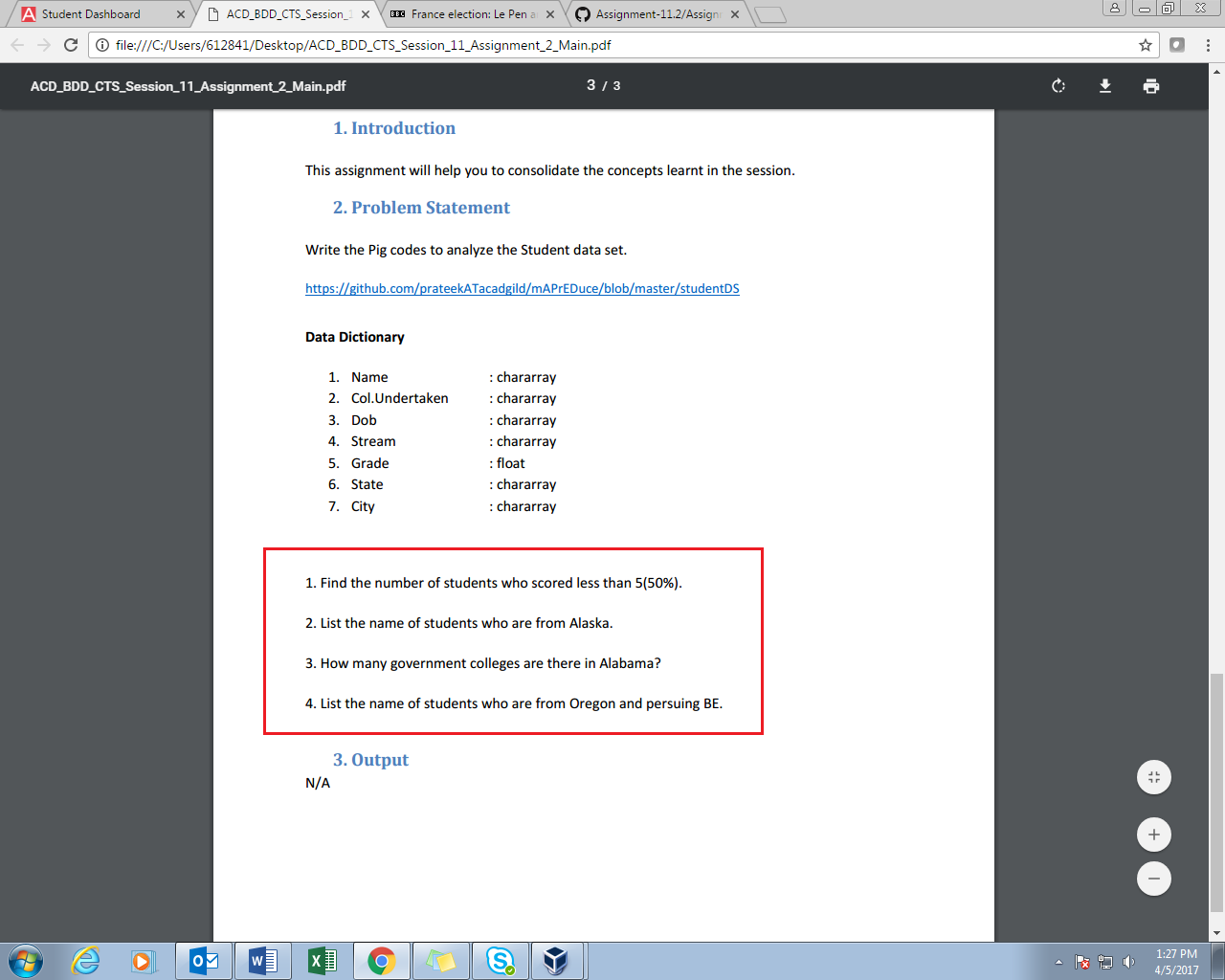
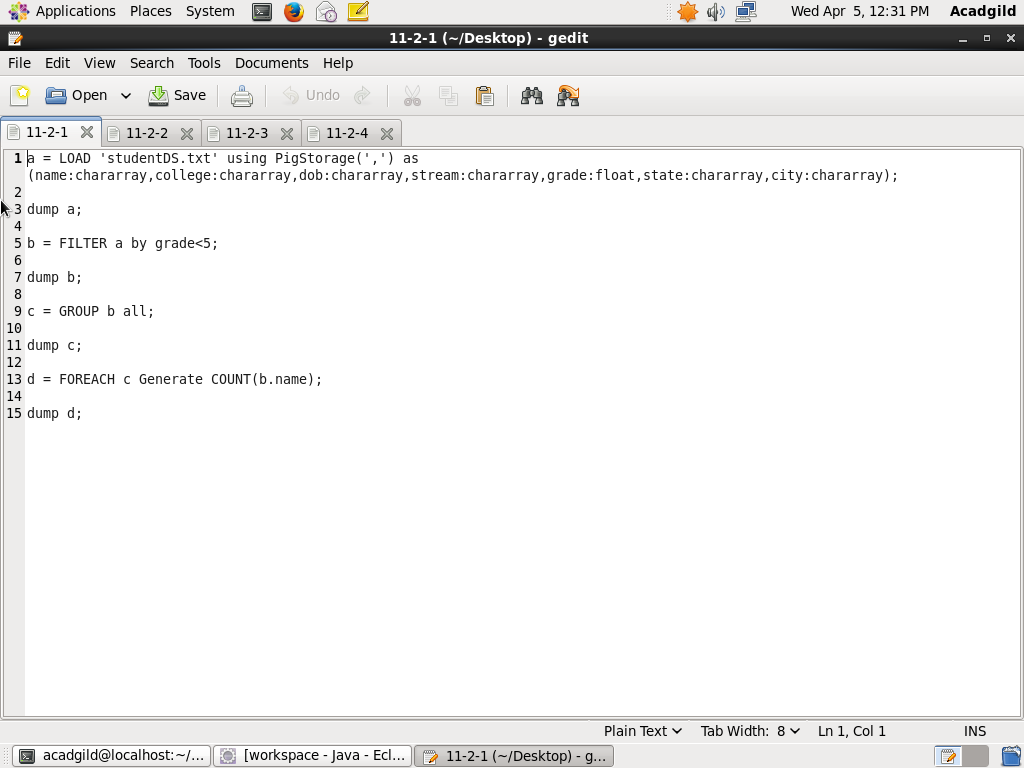
**PROBLEM STATEMENT:**

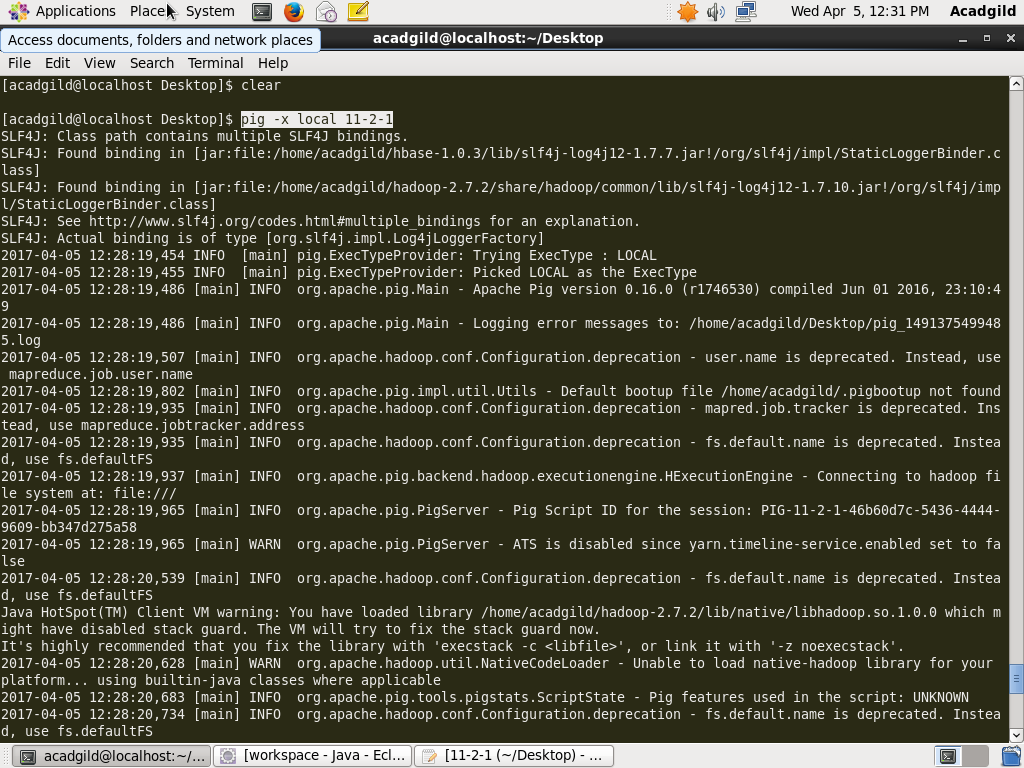
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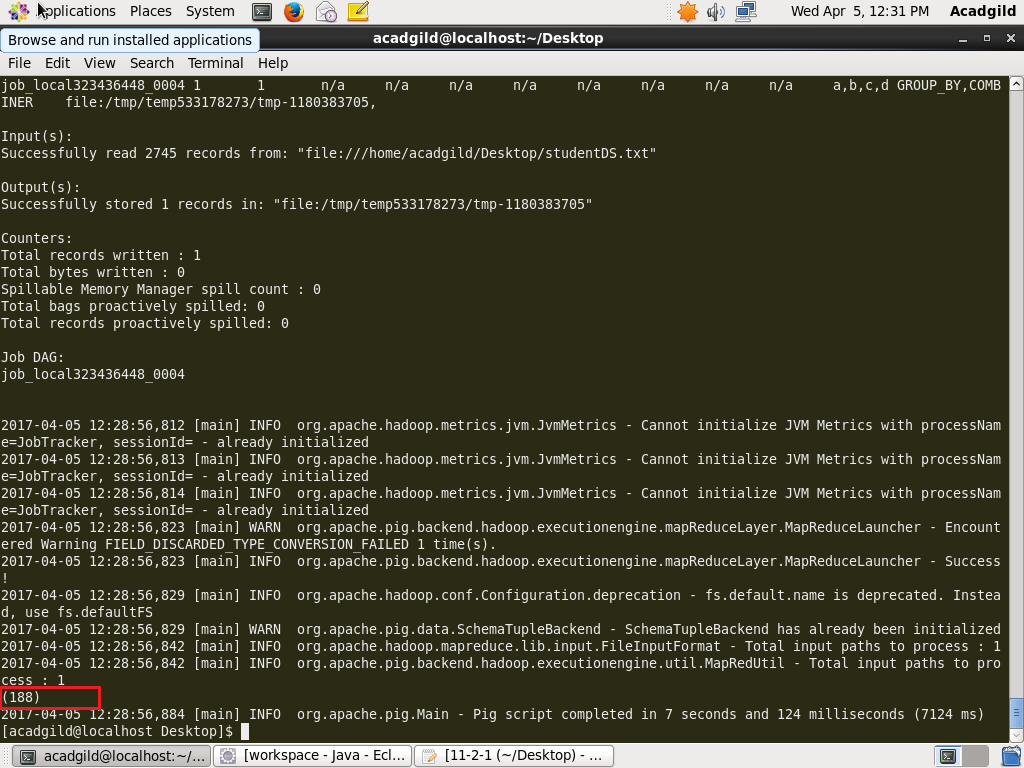
**Q1-**

**PROGRAM:**

****

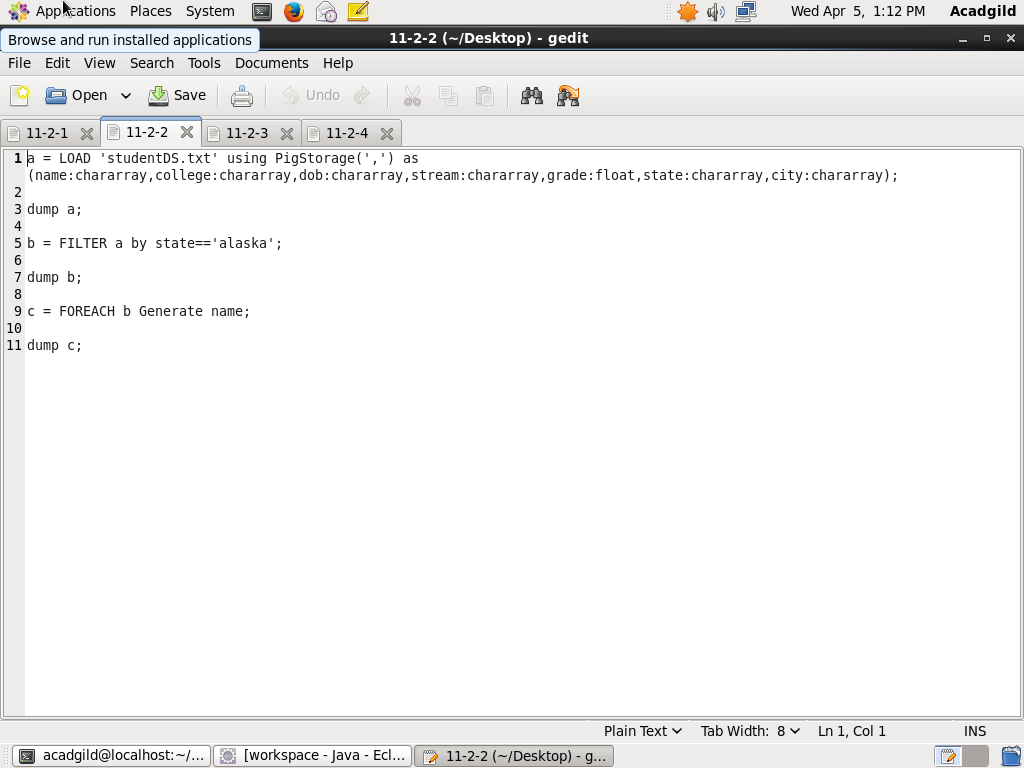
**OUTPUT:**

****

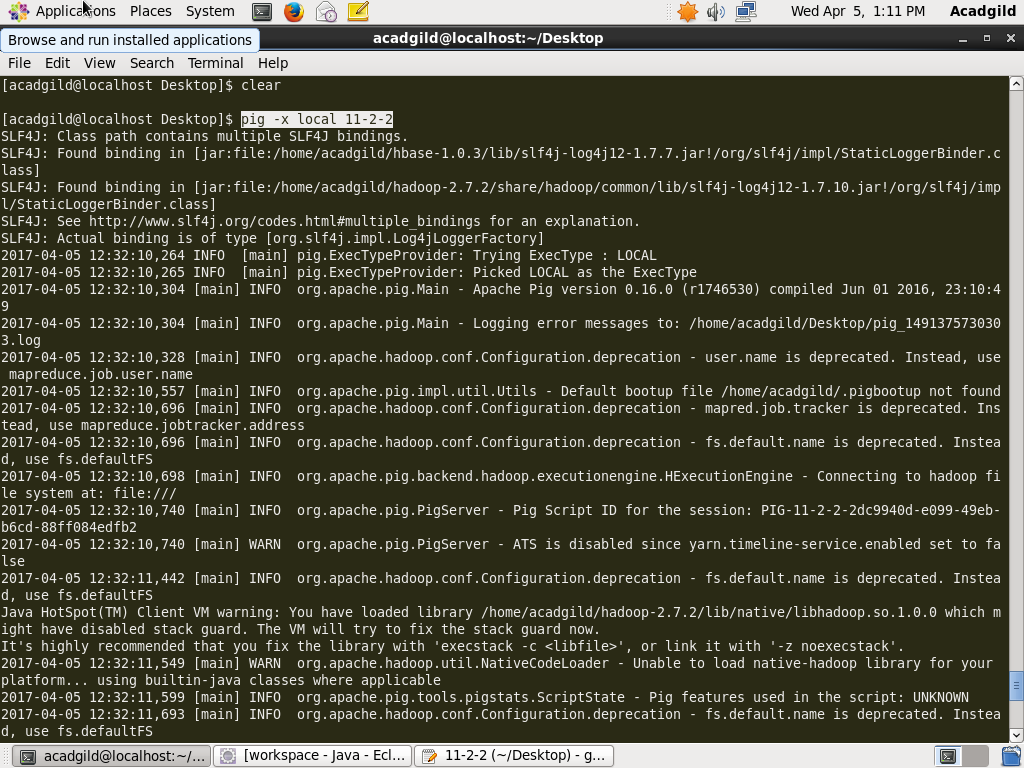
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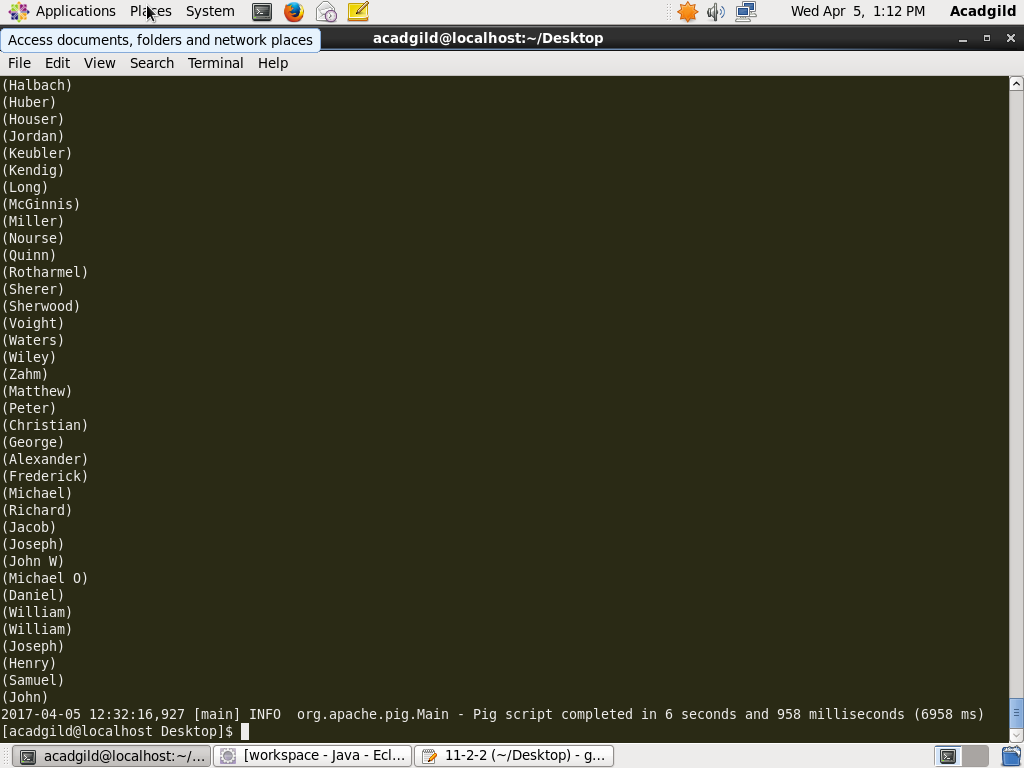
**Q2-**

**PROGRAM:**

****

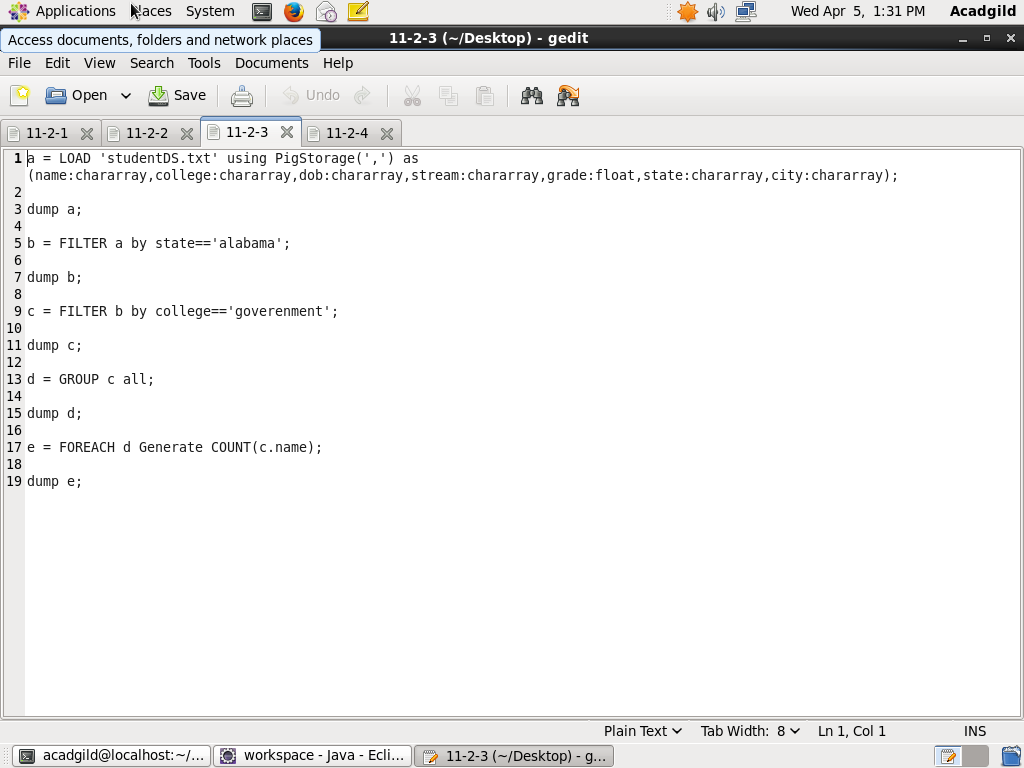
**OUTPUT:**

****

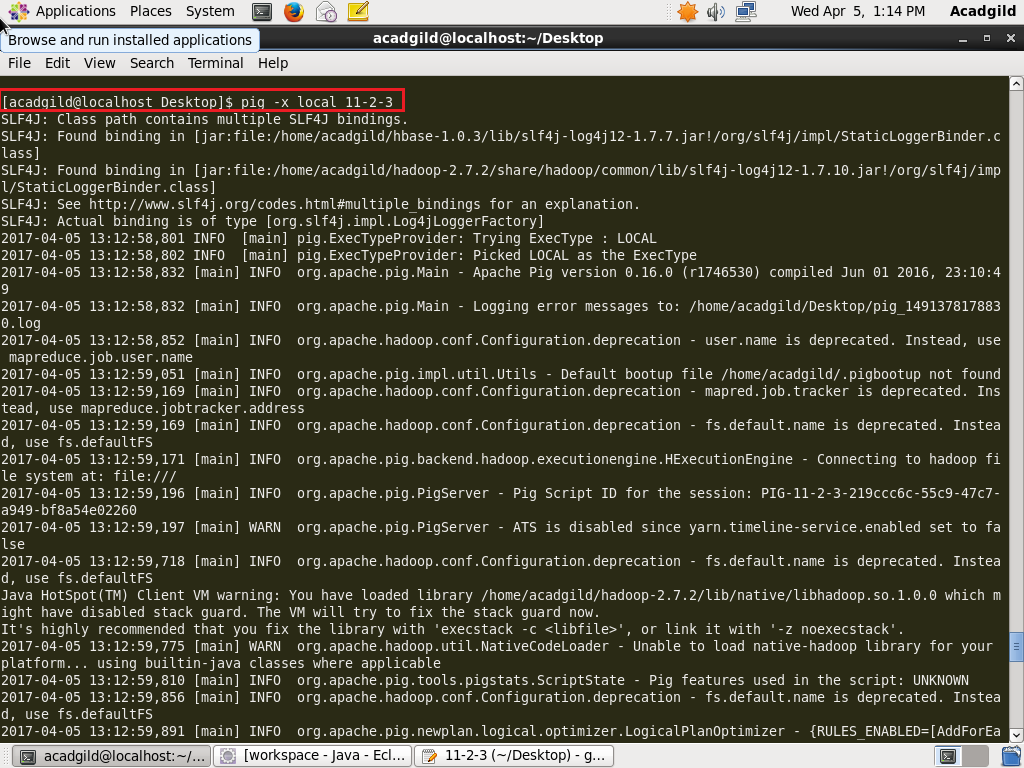
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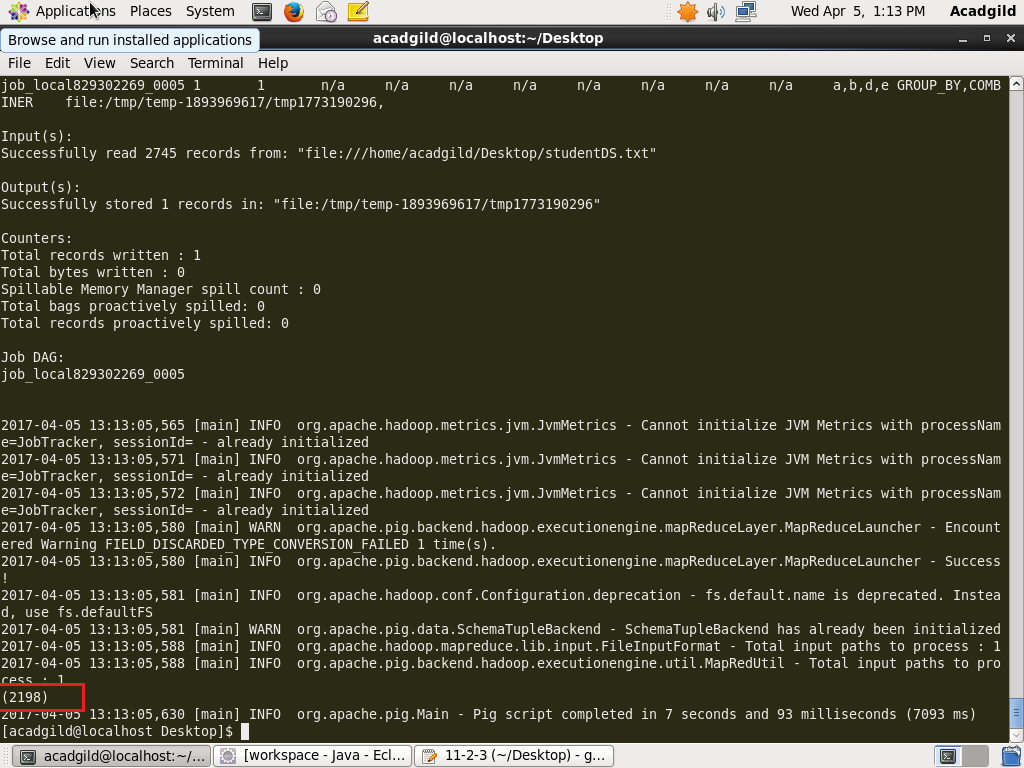
**Q3-**

**PROGRAM:**

****

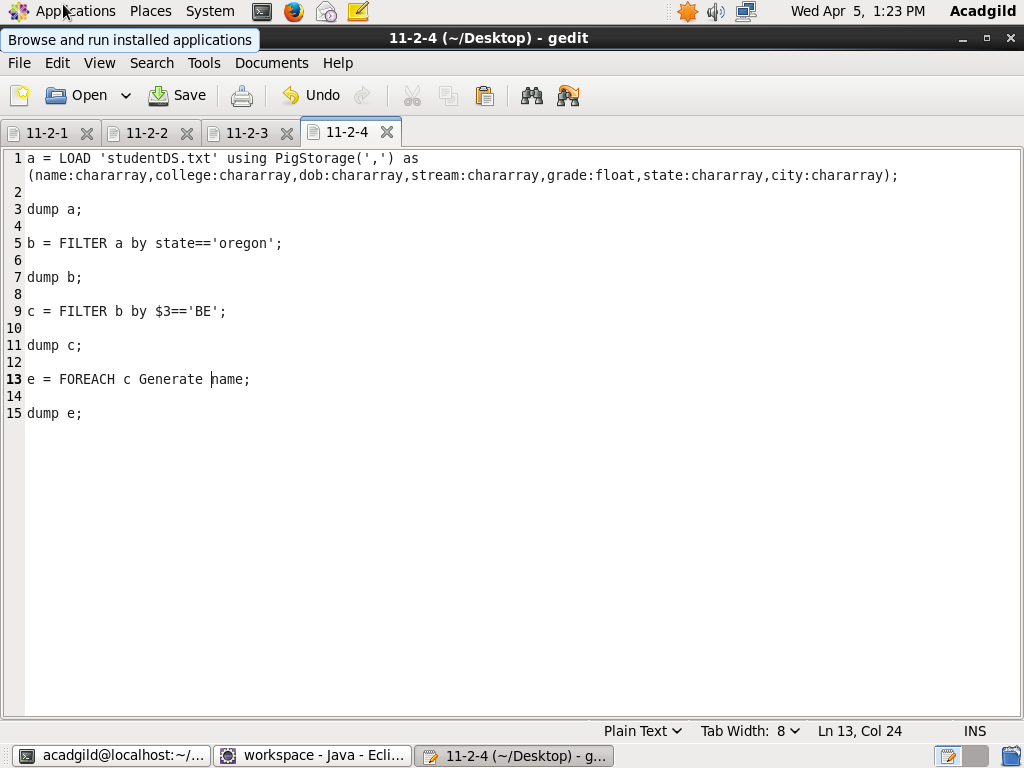
**OUTPUT:**

****

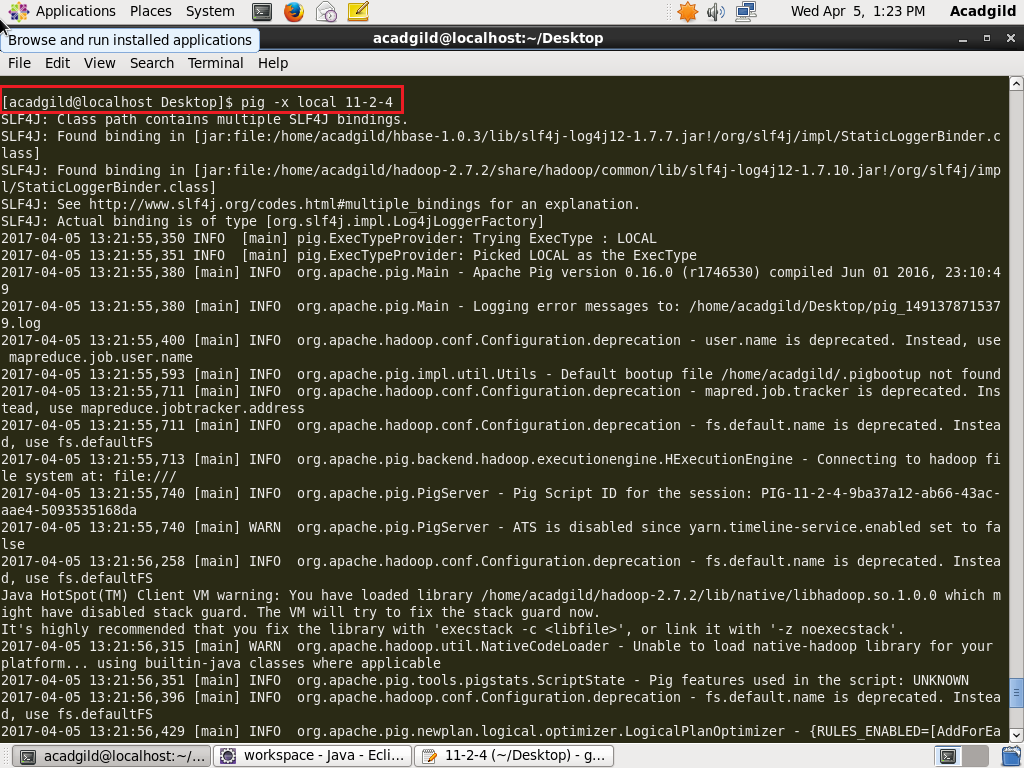
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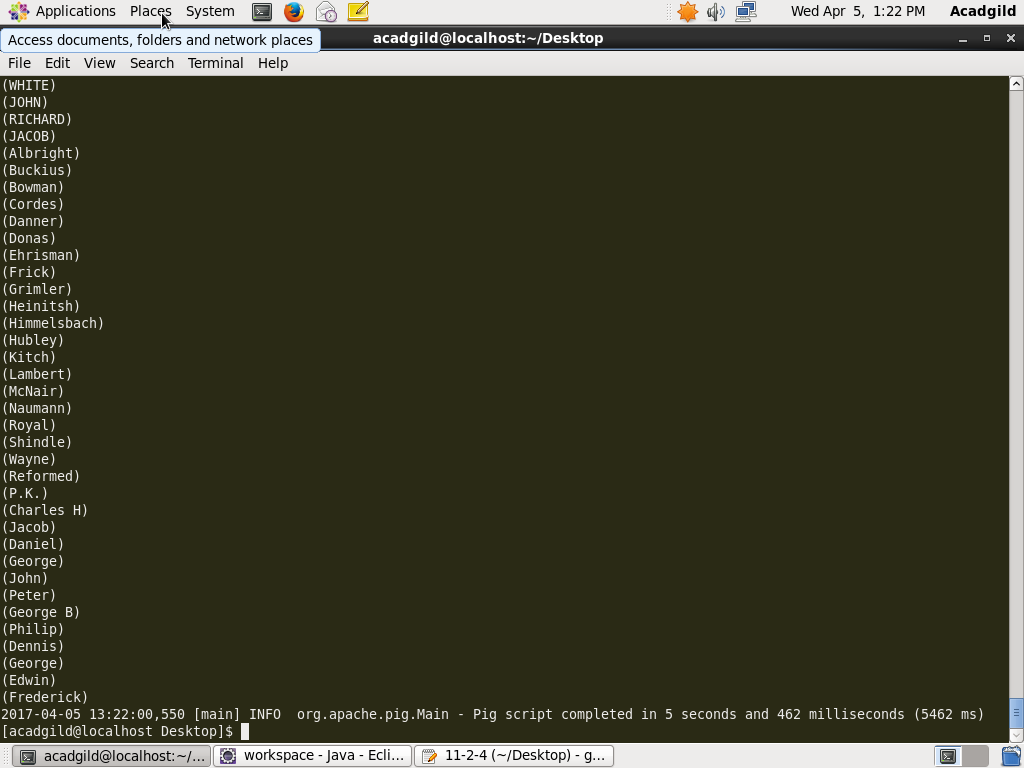
**Q4-**

**PROGRAM:**

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**OUTPUT:**

****

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