**Name:- Samreen Shaikh Roll no:- 64**

**Subject:- Big Data Analytics Date:- 05/02/2025**

**PRACTICAL - 14**

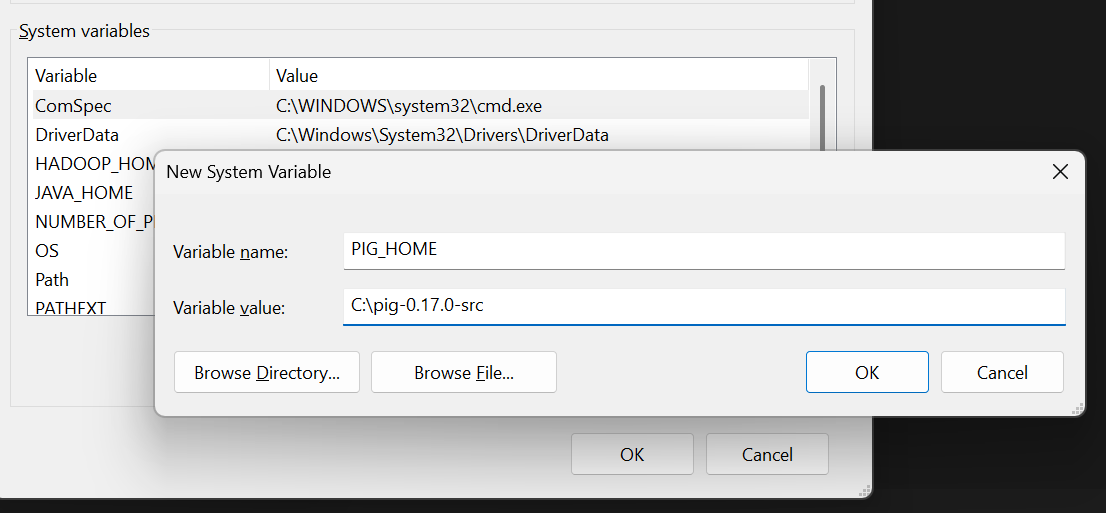
**PIG INSTALLATION AND OPERATIONS**

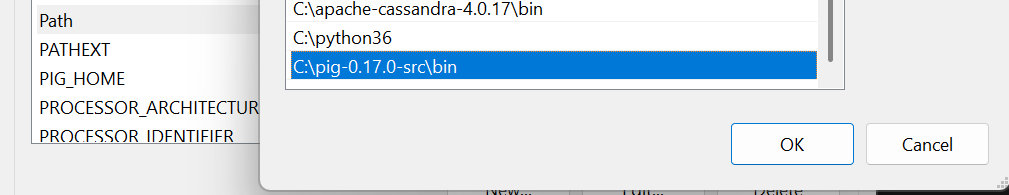
**INSTALLATION:**

**STEP I : *Install Pig from the link given below.***

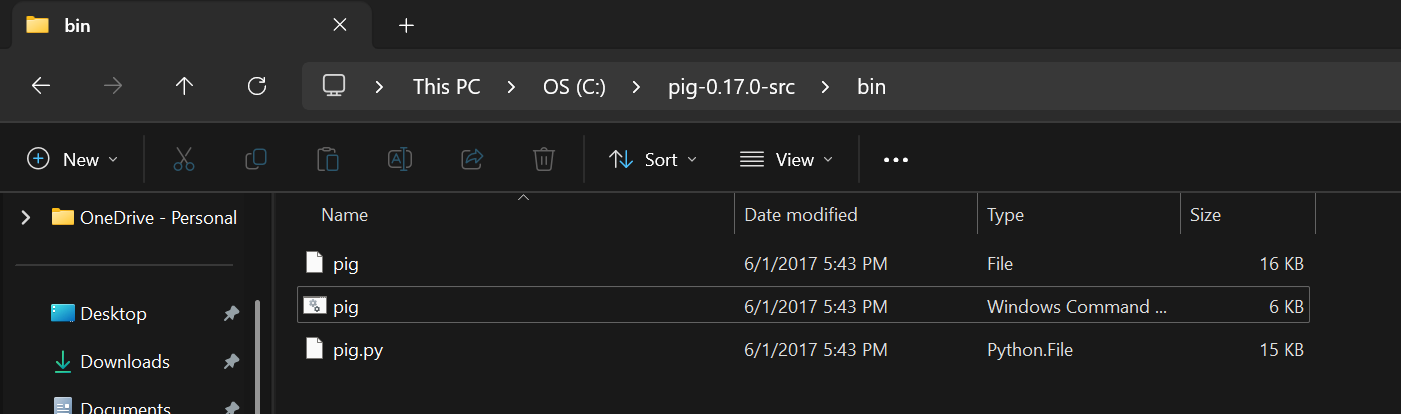
**<https://downloads.apache.org/pig/pig-0.17.0/>**

**STEP II: *Setup path for pig in system variables.***

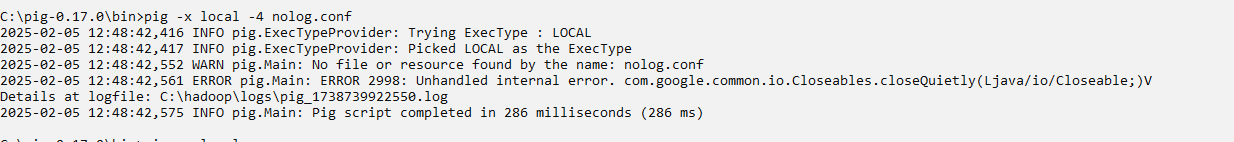
****

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**STEP III: *Open Command Prompt from the bin directory of the pig folder.***

****

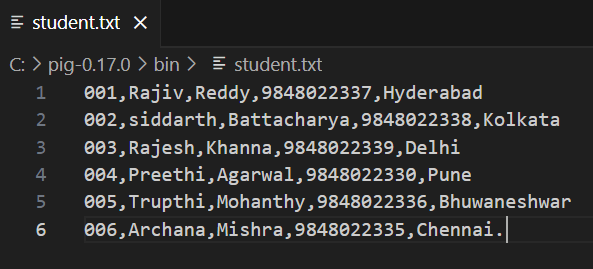
**STEP IV: *Type following to start the grunt shell.***

****

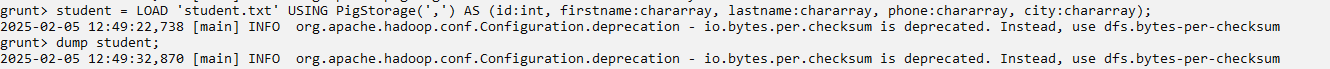
**OPERATIONS:**

**1] Loading the file**

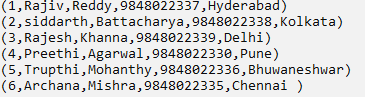
**FILE USED**

****

**CODE:**

****

**OUTPUT:**

****

**2] Describe**

**CODE & OUTPUT:**

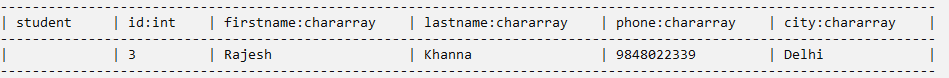
****

**3] Illustrate**

**CODE:**

****

**OUTPUT:**

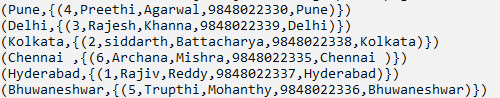
****

**4] Group by city**

**CODE:**

****

**OUTPUT:**

****

**5] Describe group**

**CODE & OUTPUT:**

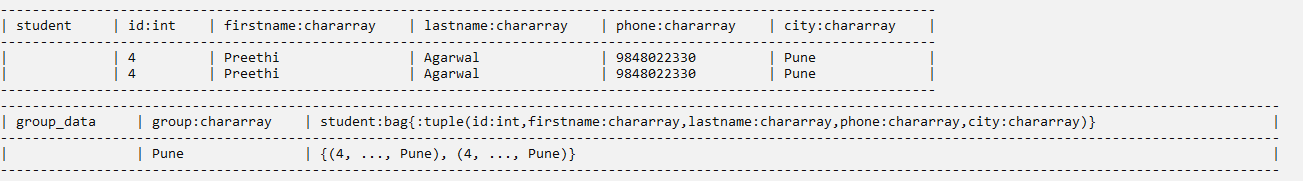
****

**6] Illustrate group**

**CODE:**

****

**OUTPUT:**

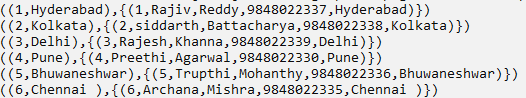
****

**7] Group multiple students**

**CODE:**

****

**OUTPUT:**

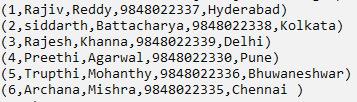
****

**8] Group All Students**

**CODE:**

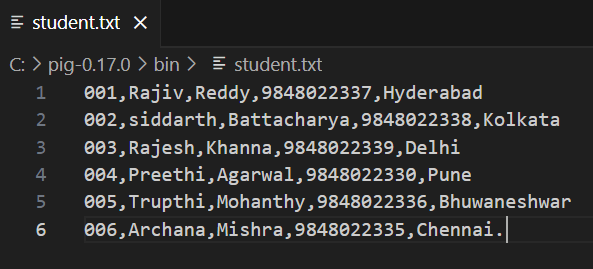
****

**OUTPUT:**

****

**10] Co group**

**FILE USED:**

****

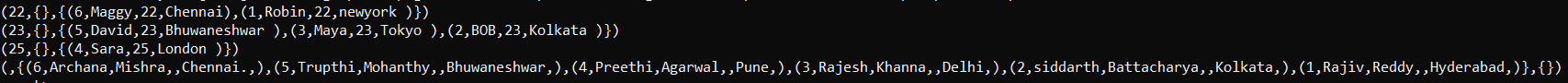
**CODE:**

****

****

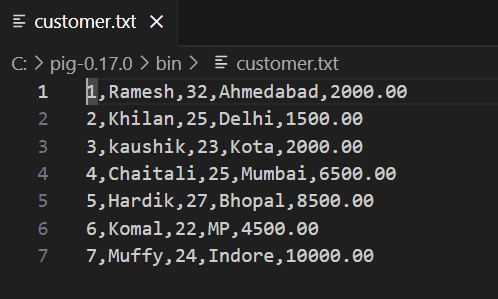
****

**OUTPUT:**

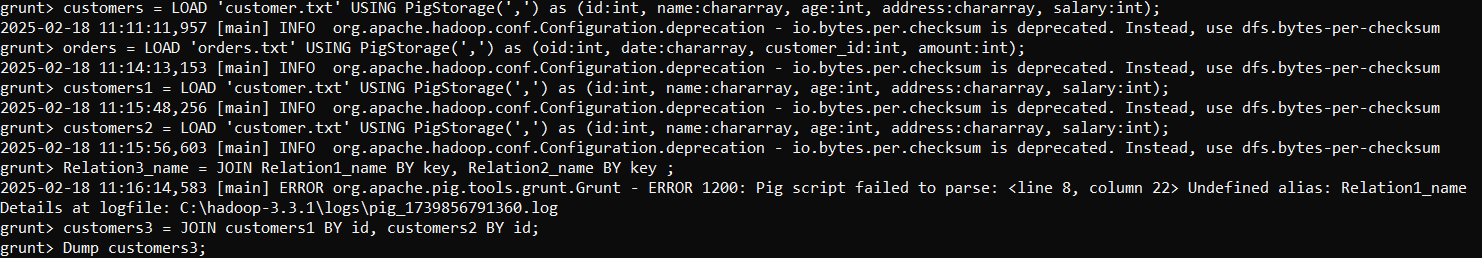
****

**11] Self join**

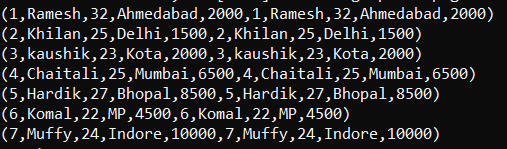
**FILE USED:**

****

**CODE:**

****

**OUTPUT:**

****

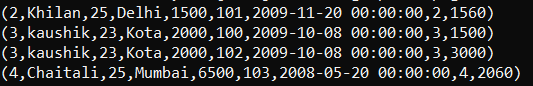
**12] Inner join**

**CODE:**

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****

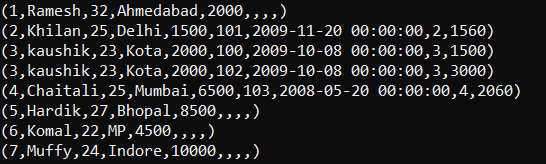
**OUTPUT:**

****

**13] Left outer joint**

**CODE:   
**

**OUTPUT:**

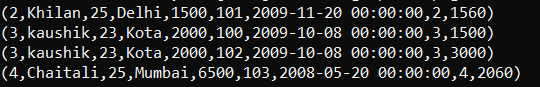
****

**14] Right outer joint**

**CODE:**

****

**OUTPUT:**

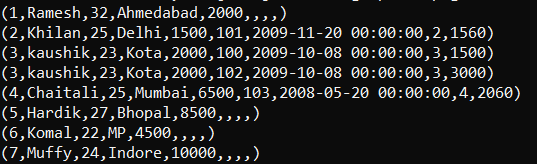
**\**

**15] Full outer join**

**CODE:**

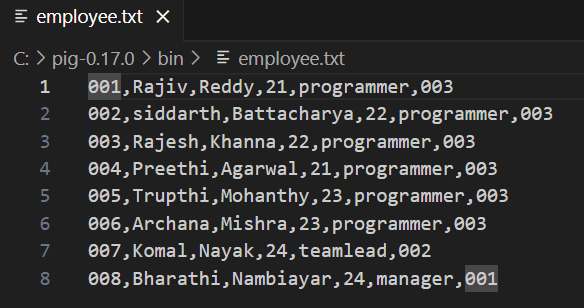
****

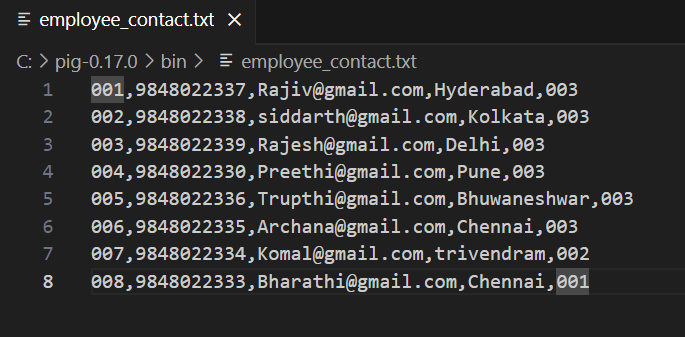
**OUTPUT:**

****

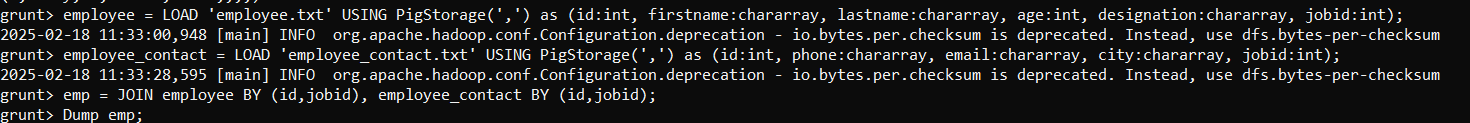
**16] Multiple Joins**

**FILES USED**

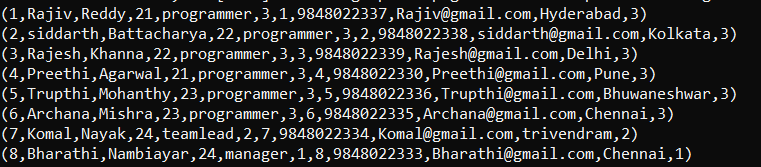
****

****

**CODE:**

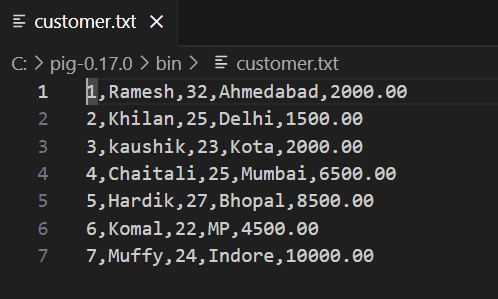
****

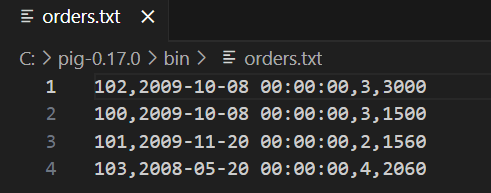
**OUTPUT:**

****

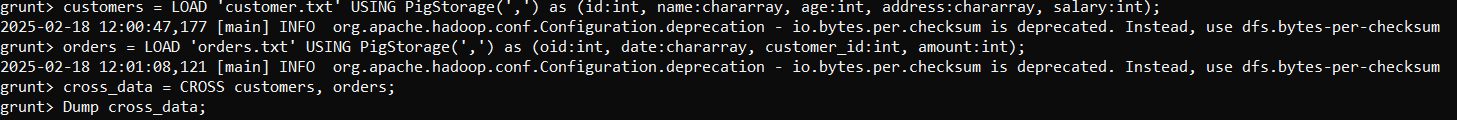
**17] Cross operator**

**FILE USED**

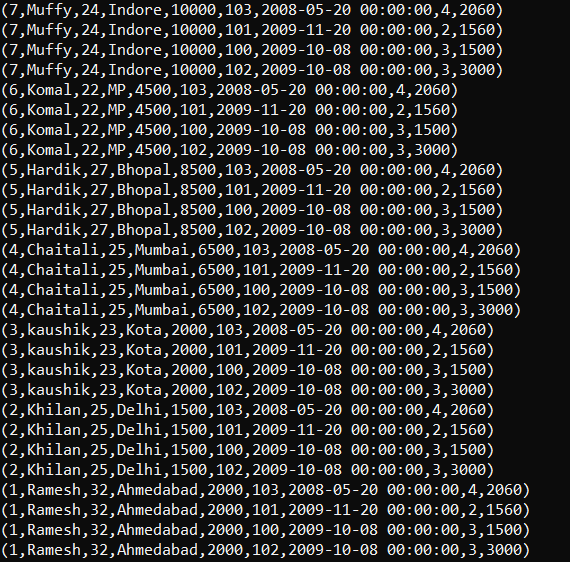
****

****

**CODE:**

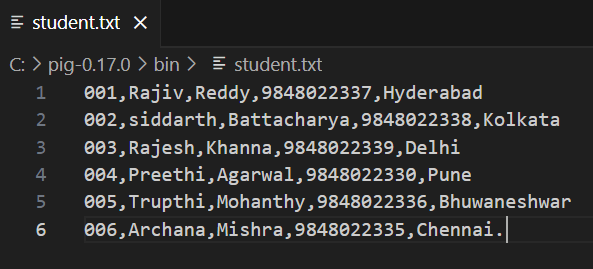
****

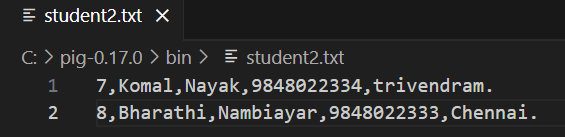
**OUTPUT:**

****

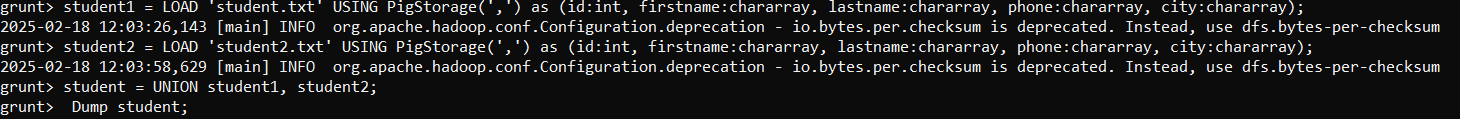
**18] Union**

**FILE USED:**

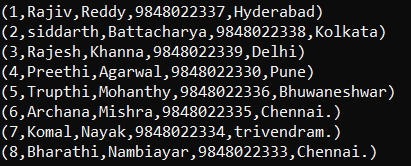
****

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**CODE:**

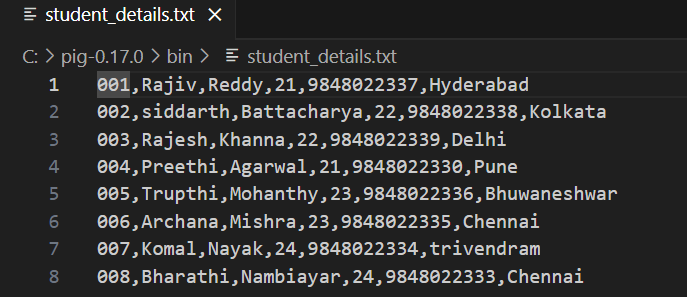
****

**OUTPUT:**

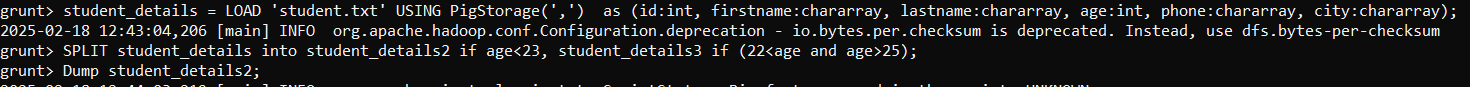
****

**19] Split operator**

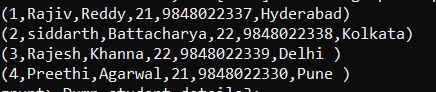
**FILE USED:**

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**CODE:**

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**OUTPUT:**

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