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

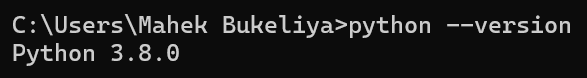
**Subject:- Big Data Analytics Date:- 04/03/2025**

**PRACTICAL - 17**

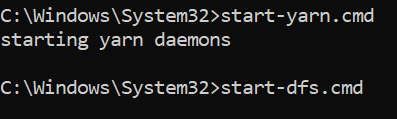
**MAP REDUCE**

**STEP I :*PRE-REQUISITES***

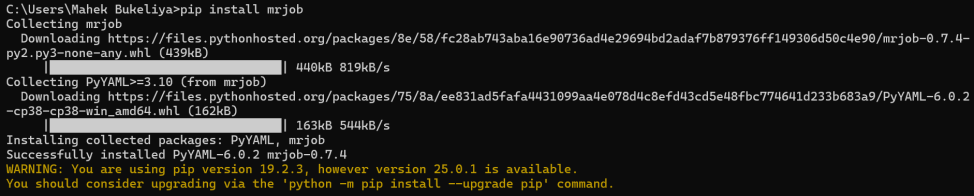
**a) Check Python Version 1.8 is installed in your system.**

****

**STEP II: *Start Hadoop***

****

**STEP III: *Install package mrjob using pip.***

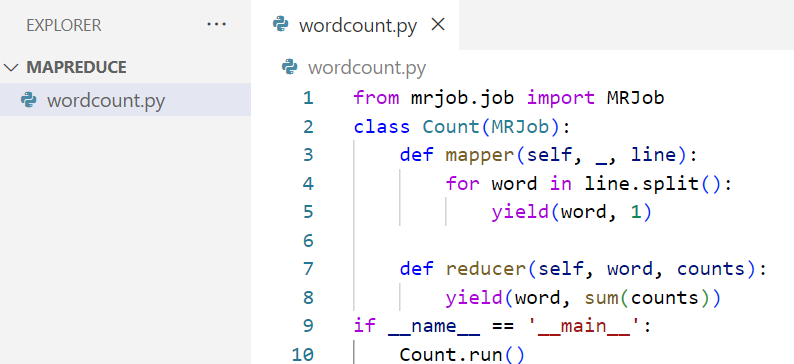
****

**OPERATIONS**

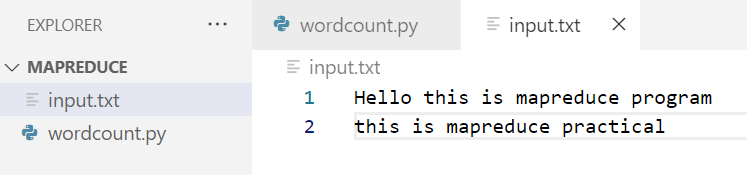
**1] WORD COUNT**

**Make a folder and create a python file and save the code in the file**

**CODE:**

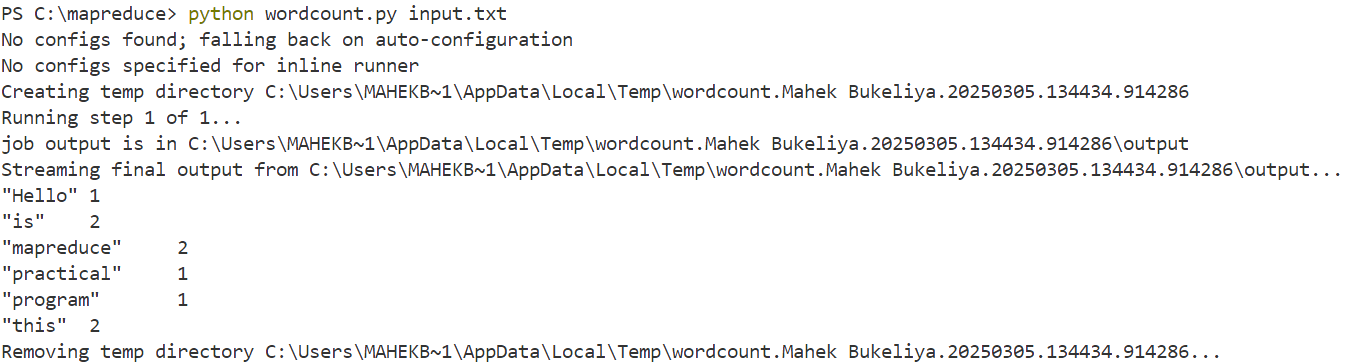
****

**Create a input.txt file in the same folder and type some contents in it to count.**

****

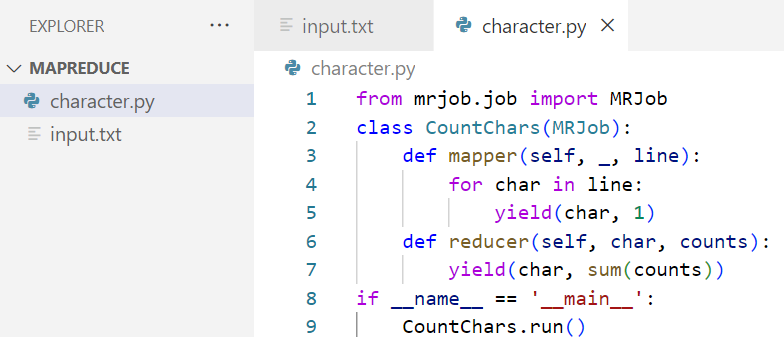
**Run the python file in the terminal using following command**

**OUTPUT:**

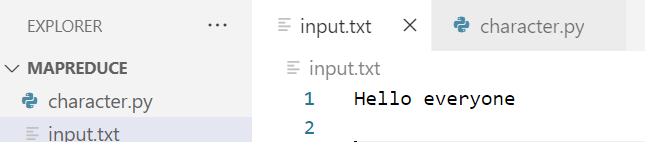
****

**2] COUNT CHARACTERS**

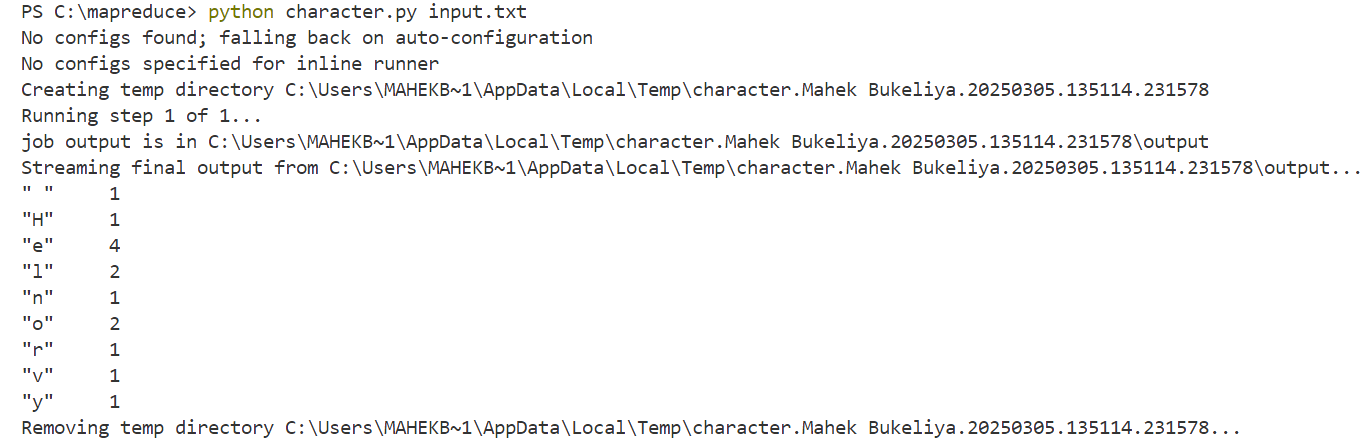
**CODE:**

****

**INPUT FILE:**

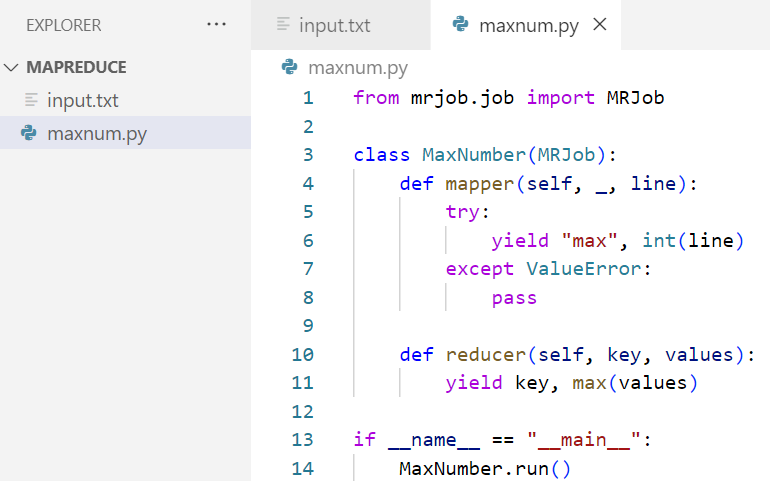
****

**OUTPUT:**

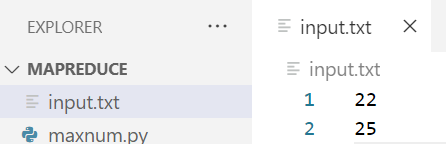
****

**3] MAXIMUM NUMBER**

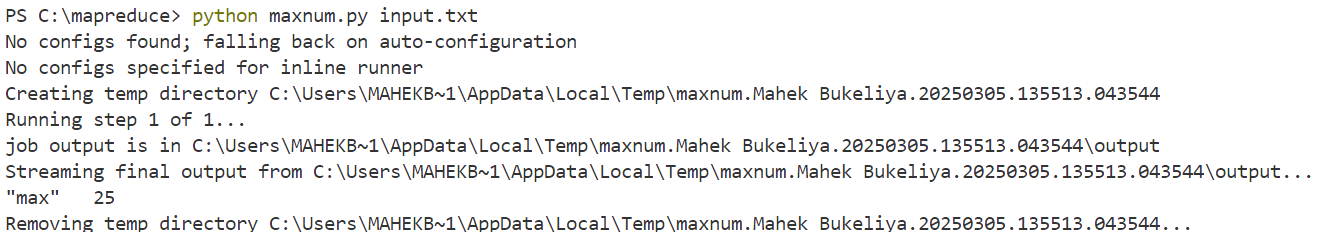
**CODE:**

****

**INPUT FILE:**

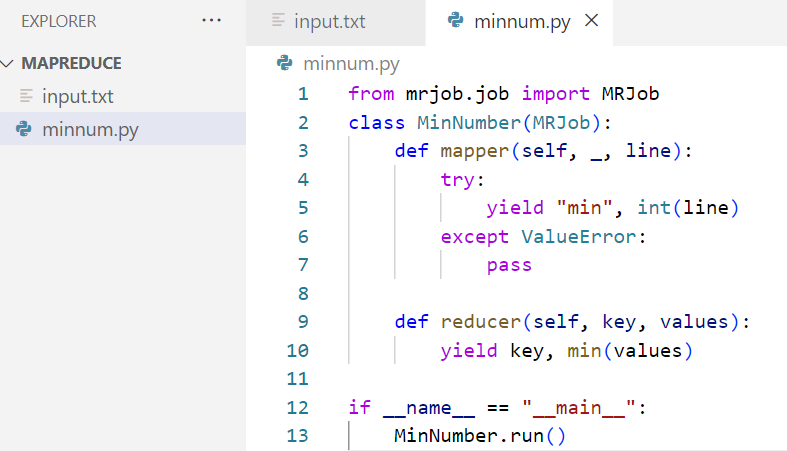
****

**OUTPUT:**

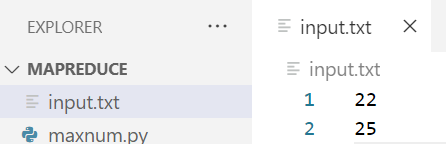
****

**4] MINIMUM NUMBER**

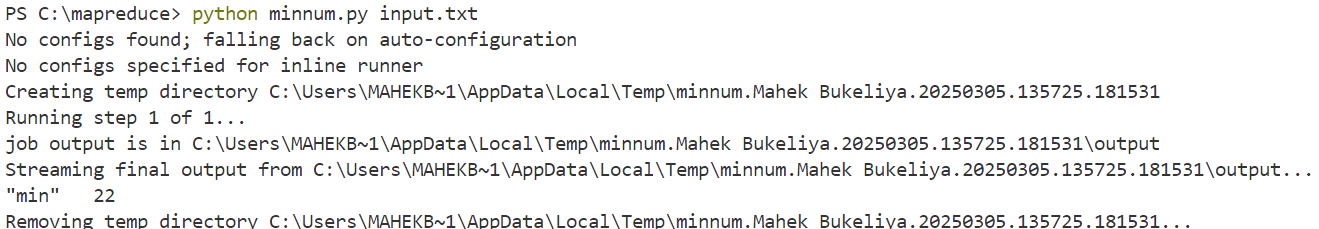
**CODE:**

****

**INPUT FILE:**

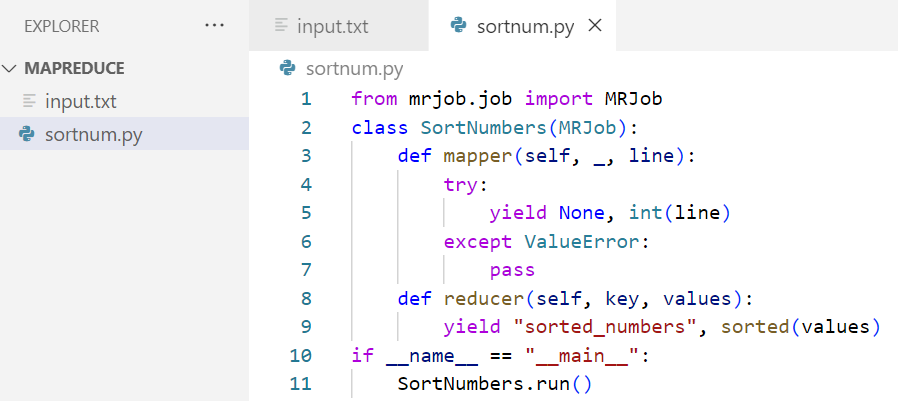
****

**OUTPUT:**

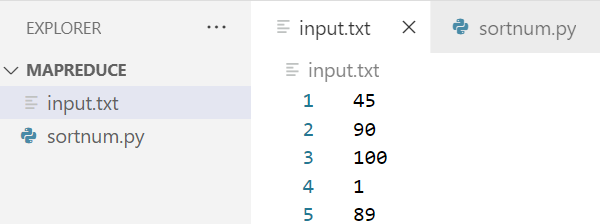
****

**5] SORT NUMBERS**

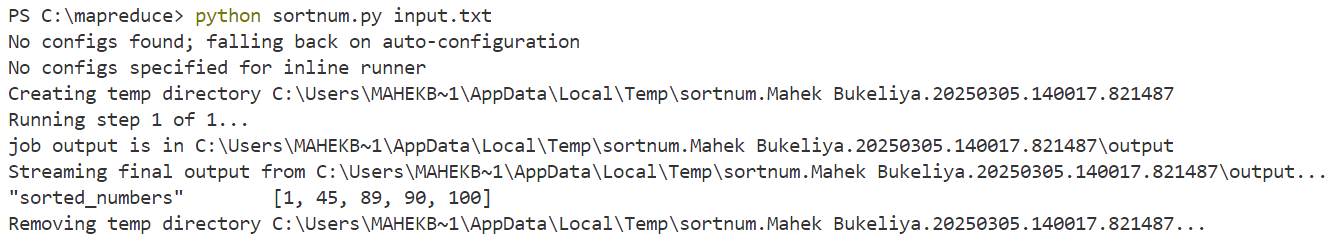
**CODE:**

****

**INPUT FILE:**

****

**OUTPUT:**

****