

MapReduce Questions

- I. Find the count of each word from a given input file.
- II. Count the number of words based of character length in a given file.

Example:

Hello world hope all is well Is BDA program boring

Expected output should be:

5 3

4 2

3 2

2 2

7 1

- III. Create dataset with fields like 'Student Name', 'Institute', 'Program Name', and 'Gender' and solve following questions.

- a. Compute number of students from each Institute.
- b. Number of students enrolled to any program.
- c. Number of 'boy' and 'girl' students.
- d. Number of 'boy' and 'girl' students from selected Institute.

- IV. Dataset: Temperature of Indian Cities. Fields of dataset are Date, Average Temperature, City, Country, Latitude and Longitude (Dataset is attached). Solve following questions

- a. Find maximum and minimum temperature of all cities from the given dataset
- b. Count number of data point for each city.

- c. Find the maximum and minimum temperature for city **Bangalore** from the given dataset.
- d. Find the maximum and minimum temperature for any given city from the given dataset. City name should be passed through command line argument.