

## Department of Computer Science & Engineering

Ramaiah Institute of Technology, M S R Nagar, MSRIT Post, Bangalore – 560054.  
 (An Autonomous Institute, Affiliated to VTU)

### QUESTION BANK FOR VII SEMESTER (Term: AUG 2021-FEB 2022)

### **BIG DATA LABORATORY (CSL76)**

**I.A. Marks: 50**

**Credits: 0:0:1**

**Exam Hours: 03**

**Exam Marks: 50**

Sl. No.	Question Bank
	<b>PART-A</b>
1.	Write a Map Reduce program to analyze the given <b>Weather Report Data</b> and to generate a report with cities having maximum and minimum temperature for a particular year.
2.	<p>Write a Map Reduce program to analyze the given <b>Earthquake Data</b> and generate statistics with region and magnitude.</p> <p style="text-align: center;"><b>OR</b></p> <p>Write a Map Reduce program to analyze the given <b>Earthquake Data</b> and generate statistics with region and depth.</p> <p style="text-align: center;"><b>OR</b></p> <p>Write a Map Reduce program to analyze the given <b>Earthquake Data</b> and generate statistics with region and longitude.</p> <p style="text-align: center;"><b>OR</b></p> <p>Write a Map Reduce program to analyze the given <b>Earthquake Data</b> and generate statistics with region and latitude.</p>
3.	<p>Write a Map Reduce program to analyze the given <b>Insurance Data</b> and generate a statistics report with the construction building name and the count of building.</p> <p style="text-align: center;"><b>OR</b></p> <p>Write a Map Reduce program to analyze the given <b>Insurance Data</b> and generate a statistics report with the county name and its frequency.</p>
4.	<p>Write a Map Reduce program to analyze the given <b>Sales Records</b> over a period of time and generate data about the country's total sales, and the total number of the products</p> <p style="text-align: center;"><b>OR</b></p> <p>Write a Map Reduce program to analyze the given <b>sales records</b> over a period of time and generate data about the country's total sales and the frequency of the payment mode.</p>
5.	Write a Map Reduce program to analyze the given natural numbers and generate statistics for the number as <b>odd or even</b> and print their sum.

6.	Write a Map Reduce program to analyze the given employee record data and generate a statistics report with the total number of <b>Female and Male Employees</b> and their average salary.
7.	Write a Map Reduce program to print <b>Word Count</b> for the given input file.
8.	<p>Write a Map Reduce program to print the <b>Multiplication of two different Matrices</b> ( A= 2x5, B= 5x3 matrix's with input)</p> $\begin{bmatrix} 1 & 1 & 1 & 1 & 1 \\ 2 & 2 & 2 & 2 & 2 \end{bmatrix} \quad \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix}$

#### Marks Distribution:

Conduction and Result	Write-Up	Execution	Viva/Demo	Change of Program	Total
Part – A	08Marks	35Marks	7 Marks	-5 Marks	50 Marks