**BIG DATA ANALYTICS LAB**

**List of Programs:**

1. Write a Map Reduce Program for displaying the Count of all words in a given file.
2. Write a Map Reduce Program for displaying the Count of all words with a count greater than 5 in a given file.
3. Write a Map Reduce Program for displaying the Count of all bigrams in a given file.
4. Write a Map Reduce program that mines weather data and displays the maximum temperature per year.
5. Implement Matrix Multiplication with Hadoop Map Reduce.
6. Write a pig script that mines weather data and displays the maximum temperature per year.
7. Write a pig script that uses NYSE and NYSE\_daily dataset and illustrate the use of filtering the given data with multiple constraints.
8. Write a pig script that uses NYSE and NYSE\_daily dataset and illustrate the use of Foreach on the given data.
9. Write a pig script that uses NYSE and NYSE\_daily dataset and illustrate the use of join operation on the given data with multiple constraints.
10. Write a pig script that uses NYSE and NYSE\_daily dataset and illustrate the use of substring operation on the given data.
11. Write MongoDB queries to perform the following:

a) Create a collection in MongoDB named “Allcourses” consisting of fields: College name, Course, details{Duration,Trainer}, Batch{size,qty}, Name of the Course, fees, prerequisites

b) Insert 6 documents into the collection using – insertMany()

c) Illustrate update(), $set and deleteMany()

d) Use find() to display results

1. Write MongoDB queries to perform the following:

a) Create a collection in MongoDB named “Student” consisting of fields: regNo, name, course{courseName,duration},address{city, state, country}, schoolname, collegename, aggregate

b) Insert 6 documents into the collection using – insertMany()

c) Illustrate update(), $set and remove()

d) Use find() to display results

1. Write MongoDB queries to perform the following:

a) Create a collection in MongoDB named “Employee” consisting of fields: EmpNo, EmpName, Department{departmentName,years, designation}, address{city, state, country}

b) Insert 6 documents into the collection using – insertMany()

c) Illustrate update(), $set and replaceOne()

d) Use find() to display results