**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“JnanaSangama”, Belgaum -590014, Karnataka.**

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**LAB REPORT**

**on**

**BIG DATA ANALYTICS**

**(20CS6PEBDA)**

***Submitted by***

**HARSHITHA MAHADEV (1BM19CS059)**

***in partial fulfillment for the award of the degree of***

**BACHELOR OF ENGINEERING**

***in***

**COMPUTER SCIENCE AND ENGINEERING**



**B.M.S. COLLEGE OF ENGINEERING**

**(Autonomous Institution under VTU)**

**BENGALURU-560019**

**May-2022 to July-2022**

**B. M. S. College of Engineering,**

**Bull Temple Road, Bangalore 560019**

(Affiliated To Visvesvaraya Technological University, Belgaum)

**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the Lab work entitled “**BIG DATA ANALYTICS**” carried out by **HARSHITHA MAHADEV(1BM19CS059),** who is bonafide student of **B. M. S. College of Engineering.** It is in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2022. The Lab report has been approved as it satisfies the academic requirements in respect of a **Course Title - (Course code)** work prescribed for the said degree.

Name of the Lab-Incharge               **Dr. Jyothi S Nayak**

Designation Professor and Head

Department of CSE Department of CSE

BMSCE, Bengaluru BMSCE, Bengaluru

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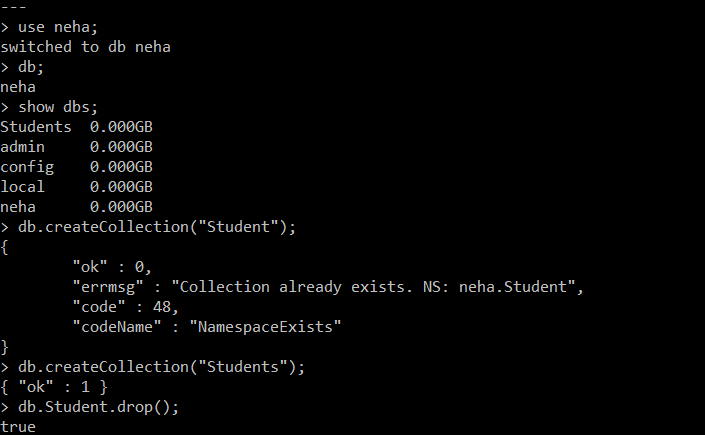
**Course Outcome**

|  |  |
| --- | --- |
| CO1 | Apply the concept of NoSQL, Hadoop or Spark for a given task |
| CO2 | Analyze the Big Data and obtain insight using data analytics mechanisms. |
| CO3 | Design and implement Big data applications by applying NoSQL, Hadoop or Spark |

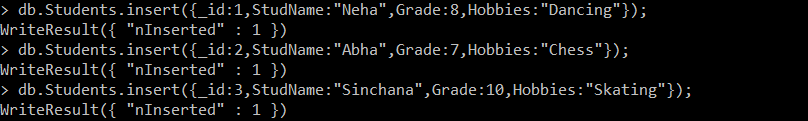
### Experiment 1

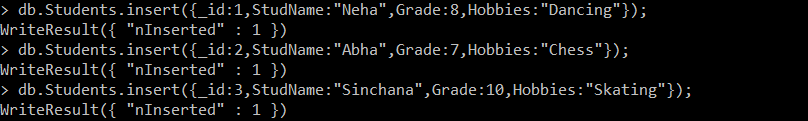
1

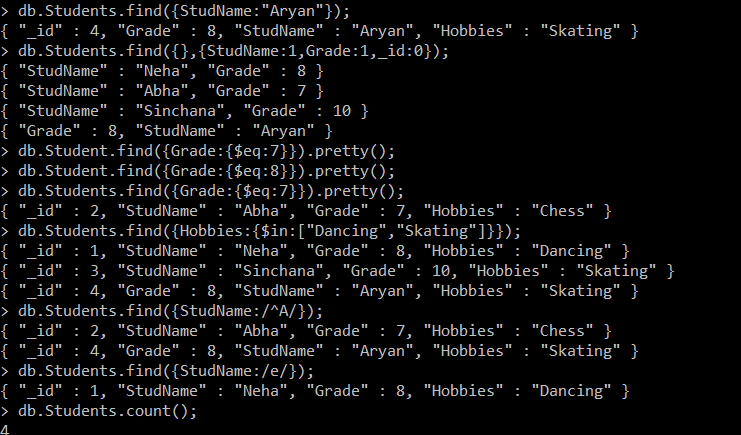
1. **CREATE DATABASE IN MONGODB.**

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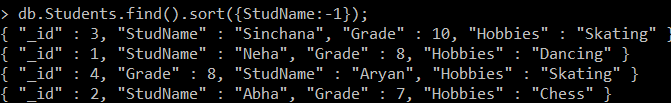
1. **CRUD (CREATE, READ, UPDATE, DELETE) OPERATIONS**

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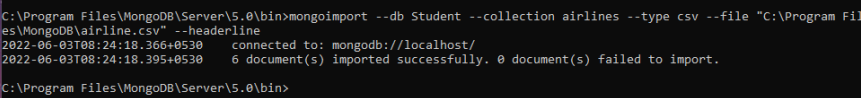




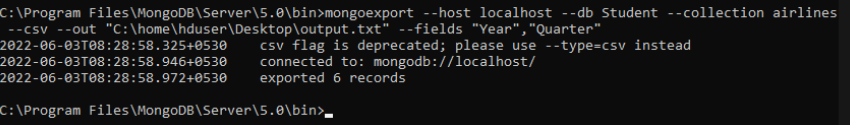
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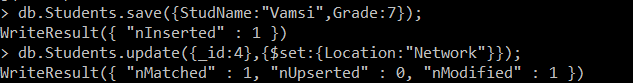
1. **Import data from a CSV file**

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1. **Export data to a CSV file**

****

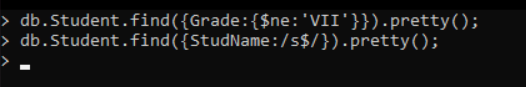
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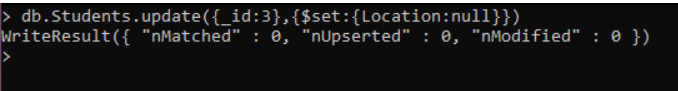


**VI. Other Operations**

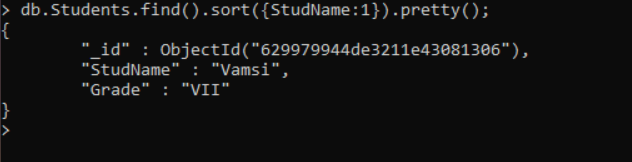
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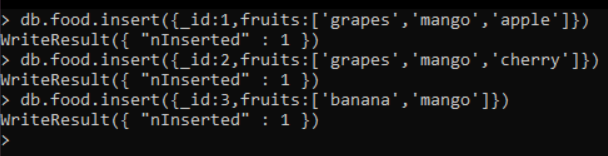
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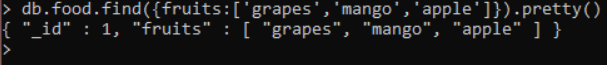




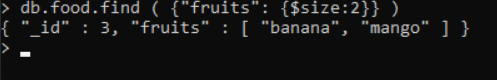
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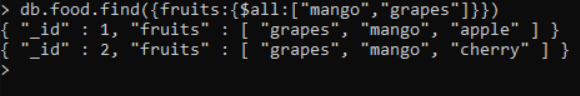


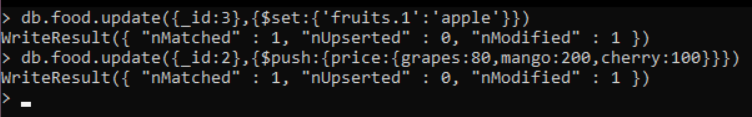


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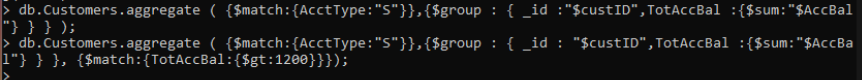


bda18

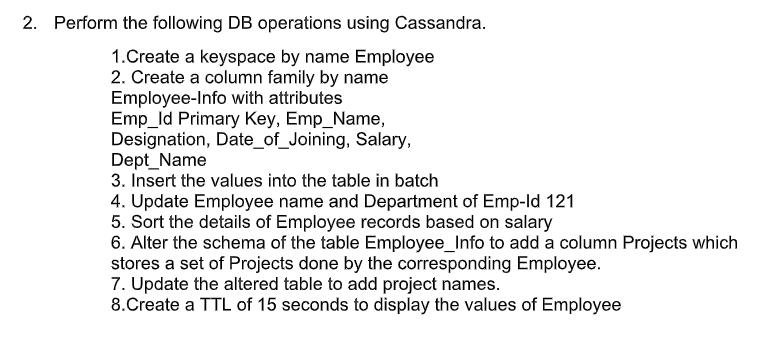


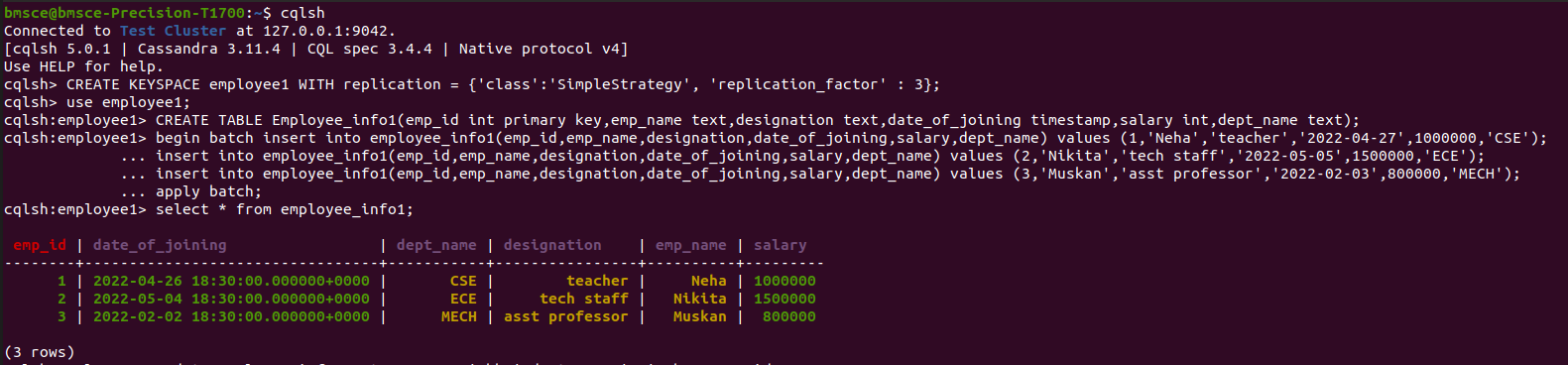


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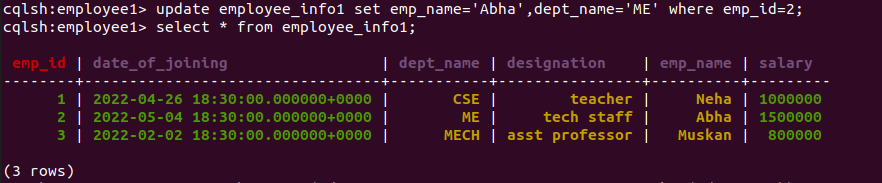


## EXPERIMENT 2

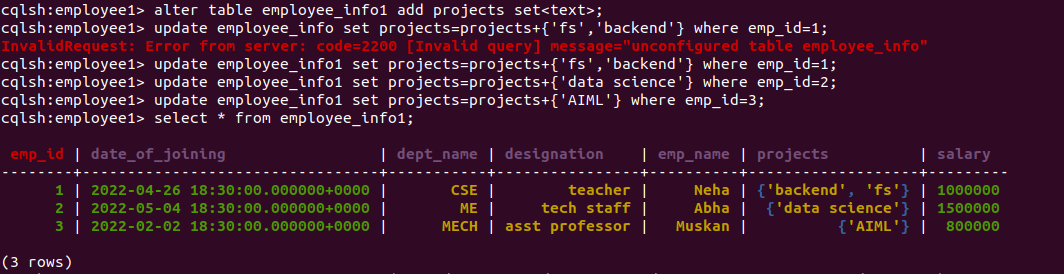


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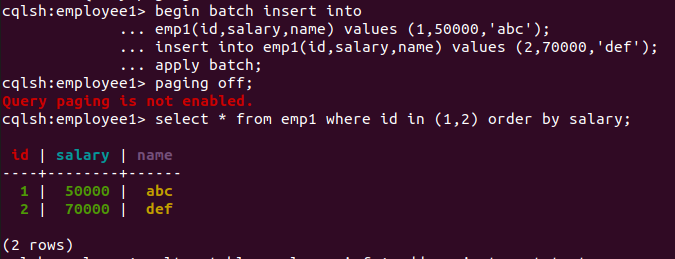
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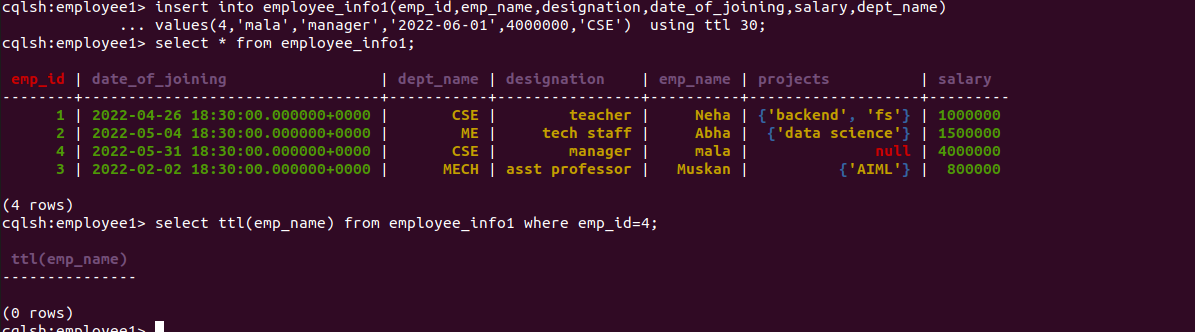
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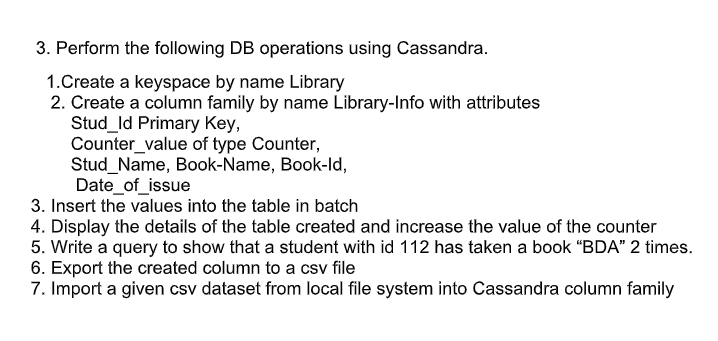


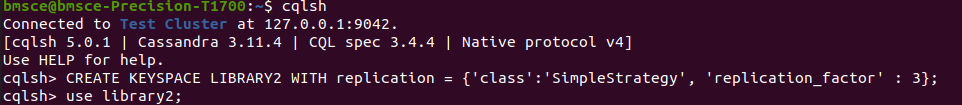
**6,7:**



**8:**

## EXPERIMENT 3

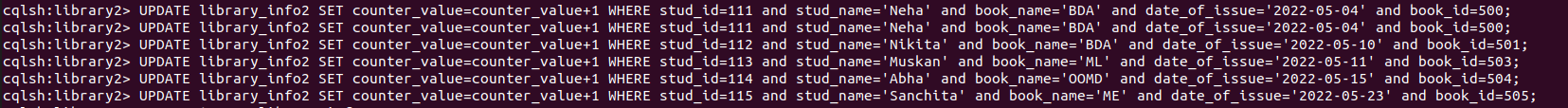


**1:**

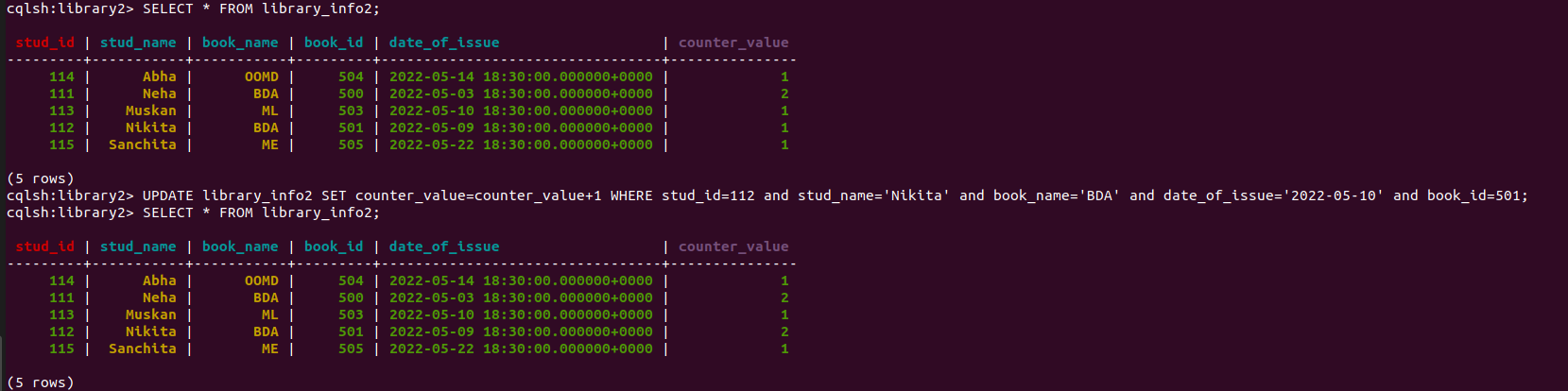
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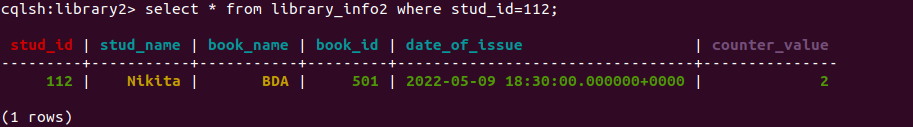
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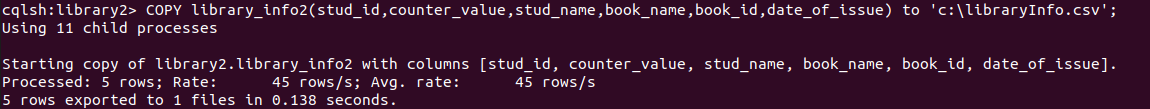


**4:**



**5:**



**6:**

**7:**

