CSCI 5408

DATA MANAGEMENT AND WAREHOUSING

LAB - 6

Banner ID: B00984406

GitLab Assignment Link: <https://git.cs.dal.ca/jems/csci5408_s24_b00984406_jems_patel.git>

Table of Contents

Task1: MongoDB…………………………………………………………………………………………3

References……………………………………………………………………………………………….12

**Task 1: MongoDB:**

A screenshot of a computer

Description automatically generated

Figure 1.1: Create a Cluster of name “lab6-cluster”

A screenshot of a computer

Description automatically generated

Figure 1.2: Choose cloud provider and region

A screenshot of a chat

Description automatically generated

Figure 1.3: Set up a new user

A screenshot of a computer

Description automatically generated

Figure 1.4: Cluster creation is successfully done.

A screenshot of a computer

Description automatically generated

Figure 1.5: Create database and collection in MongoDB Compass

**INSERT:**

A screen shot of a computer code

Description automatically generated

Figure 1.6: Code of the insert query

A screenshot of a computer

Description automatically generated

Figure 1.7: Database before insert query performed

A screenshot of a computer

Description automatically generated

Figure 1.8: Database after Insert query performed

**READ:**

A computer screen shot of a program code

Description automatically generated

Figure 1.9: Read database code

A screenshot of a computer

Description automatically generated

Figure 1.10: Database before the query performed

A black background with a red line

Description automatically generated

Figure 1.11: Run READ query

**UPDATE:**

A screen shot of a computer code

Description automatically generated

Figure 1.12: Update database code

A screenshot of a computer

Description automatically generated

Figure 1.13: Database before the update query performed

A screenshot of a computer

Description automatically generated

Figure 1.14: Database after the update query performed

**DELETE:**

A screen shot of a computer code

Description automatically generated

Figure 1.15: Delete query code

A screenshot of a computer

Description automatically generated

Figure 1.16: Database before the delete query performed

A screenshot of a computer

Description automatically generated

Figure 1.17: Database after the delete query performed

A screen shot of a computer screen

Description automatically generated

Figure 1.18: Run the delete query

**References**

[1] "How to connect MongoDB with Java program?," Stack Overflow, Available: <https://stackoverflow.com/questions/52621363/how-to-connect-mongodb-with-java-program>. [Accessed: Jun. 30, 2024].

[2] "MongoDB Fundamentals - CRUD," MongoDB, Available: <https://www.mongodb.com/resources/products/fundamentals/crud>. [Accessed: Jun. 30, 2024].

[3] "MongoDB Java Driver Documentation," MongoDB, Available: <https://www.mongodb.com/docs/drivers/java/sync/current/>. [Accessed: Jun. 30, 2024].