
Tutorial 6: Creating Database Instances [Group Deliverable]

Learning Outcomes:

- Creating a SQL/NoSQL database instance based on the project stack
- Creating a SQL/NoSQL database instance on AWS RDS/ AWS DynamoDb/ MongoDB Atlas
- Connecting a SQL/NoSQL database to workbench.

Instructions:

- **Creating a Database Instance:**
 - Configure AWS or MongoDB Atlas account.
 - Create a SQL or NoSQL instance on AWS or MongoDB Atlas.
- **Connecting to a Database Instance:**
 - Connect to the created instance.
 - Create a simple database schema and add it to the instance.
- **Addition, Retrieval, and Modification/Update Queries:**
 - Write an insertion query to 10-15 records.
 - Write a retrieval query to get all records.
 - Write a modification query to modify one record.
 - Write a retrieval query to get modified record.

Submission Guidelines

Your tutorial must be submitted through **Brightspace** as a **single PDF file**.

To submit your work to Brightspace:

- Create a tutorial6.pdf file, with screenshots of the following items:
 - Hosted Instance
 - Connected workbench
 - Database schema
 - Queries and Query results
- Rename your PDF file to match the following naming convention: **T6_Group#.pdf**.
- Ensure you submit your work by the **due date specified on Brightspace**.

Marking Rubric:

The following grading criteria will be used for marking your tutorial:

- Instance hosted properly **[3 points]**
- Connecting to workbench **[2 points]**
- Create a simple database schema and attach to the instance **[1 point]**
- A query to insert multiple records **[0.5 points]** and result **[0.5 points]**
- A query to retrieve multiple records **[0.5 points]** and result **[0.5 points]**
- A query to update a record **[0.5 points]** and result **[0.5 points]**
- A query to retrieve a specific record **[0.5 points]** and result **[0.5 points]**

***Note:** Screenshots of the above items should be compiled into a single PDF. The text must legible and images clear.*