User Guide Olympics 2024 Database

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Report Title: Olympics Database Report

This guide will walk you through the steps to create and use the Olympics 2024 database in MySQL. It assumes that you already have MySQL installed and running on your machine.

Things to Consider

- MYSQL Version:
- Operating System: Ubuntu 20.04 (Linux) was the OS the database was made on
- Database username and password is dsuser and userCreateSQL
- **13 .sql files have been created for the database**
- 1 .py file contains the connecting program to the database

Step 1 Logging in SQL and Initializing Database

1. Open the folder "OlympicsDatabase"
2. Run the command "mysql -u dsuser -p" and enter the password specified in *Things to Consider,* mentioned earlier
3. Run "Source InitialiseDatabase.sql;" where the tables will then be created and initialised and all triggers, views, indexes and procedures will be added into the database.

You should end up with these tables and views after step 1 when using SQL statement "show tables;"

Step 2 Accessing Predefined Queries

1. To View the queries defined in "queries.sql", run the command "pager less -SFX" followed by "source queries.sql;"
2. After doing so, the terminal should display ten different tables to you with each one coming from one of the ten select queries

Step 3 Connecting to Database from Python Program

1. Open a terminal and install "pip install mysql-connector-python" if not already done so
2. *Run the command "python3 OlympicsConnector.py" which will get the program started. You will be prompted for a username and password which was specified in the Things to Consider, mentioned earlier*
3. *Once done so you will be presented with a menu providing 7 options to choose from. Select a corresponding integer*

This should be displayed after step 3


```
 OlympicsConnector.py
Enter your database username: dsuser
Enter your database password: userCreateSQL
Connection successful!


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Olympics 2024 Database

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Menu

1. Find team in certain discipline and team start with specific letter
2. Add an athlete
3. Delete an athlete
4. Update athlete gender
5. Display a table
6. Modify coach
7. Exit
Please select an option (1-6): 
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