**Database Development using MySQL**

**Lab Report 4**

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**Spring 2023**

**CSE403L: Database Management System Lab**

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**Registration number: 20pwcse1869**

**Class Section: A**

**“On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work.”**

**Submitted to:**

**Ma’am Sumayyea Salahuddin**

**Friday, March 24th, 2023**

**Department of Computer Systems Engineering**

**University of Engineering and Technology, Peshawar**

**Lab 04: Database Development using MySQL**

**Lab Tasks**

**---------------------------Task 4.2---------------------------**

**What is difference between SQL and MySQL? Why is MySQL used? What are its features?**

**---------------------------Task 4.3---------------------------**

**What is database engine? What purpose does it serve? How many types of engines are supported by MySQL? Which database engine is most commonly used and why?**

**---------------------------Task 4.4---------------------------**

**Specify at least fifteen (15) or more different data types supported by MySQL. Provide the description with at least one example.**

**---------------------------Task 4.5---------------------------**

**Consider the Relational Schema given in Figure 4.3 and its tables given in Figure 4.4. Write SQL commands to create all the tables. Take the appropriate attribute type and length from the data provided. (Note: Use the following hierarchy for table creation: 1) Type, Tournament and Team, 2) Member, and 3) Entry).**

**---------------------------Task 4.6---------------------------**

**Using insert command, populate all the records in member, type, entry, team, and tournament tables according to Figure 4.4a and Figure 4.4b.**

**---------------------------Task 4.7---------------------------**

**Write the query for the following:**

1. **List the first name, last name, and phone numbers of all the members.**
2. **List complete information of all the male members.**
3. **List complete information of all the members who joined after 01-01-2013.**
4. **List name of all the members who belonged to Team A.**
5. **List complete information of all the senior members.**
6. **List complete information of all the members in order of LastName.**
7. **Retrieve the number of records in Member table.**
8. **Provide the first name and last name of the two coaches.**
9. **Find the amount of fee provided by each member by mentioning member first name,last name, and fee. (Hint: use the member and type tables.)**
10. **Delete the record from Entry table where Member=415 and TourID=40.**
11. **Update the Fee of Associate in Type table from 60 to 80.**

**Registration #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CSE 404L – Database Management Systems Lab**

**LAB ASSESSMENT RUBRICS**

**DBMS LAB 03 – Introduction to CSS**

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| --- | --- | --- | --- | --- | --- |
| **Dimension** | **Exemplary** | **Acceptable** | **Developing** | **Unsatisfactory** | **Student**  **Score out of 10**  **Marks** |
| **10** | **8** | **6** | **4** |
| **Overall**  **Impression of**  **Lab Report** | **Report is complete, well written, and organized appropriately with additional elements that enhance it.** | **Report is complete, briefly written, and organized. Lacks additional elements.** | **Report is mostly complete, loosely written, and fairly organized.** | **Report is incomplete, sloppy, and/or disorganized.** |  |
| **Submission** | **Report is submitted on time.** | **Report is submitted within 24 hours of due date.** | **Report is submitted within 72 hours of due date.** | **Report was more than 3 days overdue.** |  |
| **Specification** | **Programs work and exceed specifications.** | **Programs work and meet all specifications.** | **Programs work and meet partial specifications.** | **Programs work but fail to meet any specification.** |  |
| **Output**  **Figures/Graphics** | **All the output figures and graphics are shown clearly and labeled.** | **Most output figures and graphics are shown clearly and labeled.** | **Few of the output figures and graphics are shown and labeled.** | **Output figures and graphics are not shown and not labeled.** |  |
| **Verbal**  **Communication and**  **Understanding** | **Answered clearly and accurately with sufficient knowledge of CSS.** | **Answered clearly and accurately with average knowledge of CSS.** | **Answered somewhat clearly and somewhat accurately with limited knowledge of CSS.** | **Answered wrongly and inaccurately with no knowledge of CSS.** |  |

**Marks: (\_\_\_\_\_\_\_+\_\_\_\_\_\_\_+\_\_\_\_\_\_\_+\_\_\_\_\_\_\_+\_\_\_\_\_\_\_)/5 = \_\_\_\_\_\_\_**

**Teacher Remarks and Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**