Relational Databases with MySQL Week 5 Research Assignment

**Points possible:** 30

|  |  |  |
| --- | --- | --- |
| Category | Criteria | % of Grade |
| Accuracy | Is the information accurate? | 25 |
| Organization | Is the essay clean and organized? Ideas are presented in a logical order. | 25 |
| Citations | Students reference and cite at least 5 sources. | 25 |
| Completeness | All requirements of the assignment are complete. | 25 |

**Instructions:** In however many words necessary, write a thorough essay response to each of the below prompts. Be sure to include at least 5 references for this assignment. Do not copy and paste text from the internet or any other source; use the information you find in your research, summarize, in your own words, the concepts. Plagiarism will result in a zero for the assignment as well as disciplinary actions. Push this document to your GitHub repository for this week. Add the URL for this week’s repository to this document where instructed and submit this document to your instructor when complete.

**What is a PreparedStatement? Why is it important?**

A prepared statement is a feature used to execute the same or similar SQL statements repeatably with high efficiency. This is important so that people can hack you and get information that they are not supposed to have access to.

**What method on a PreparedStatement can you use to execute a SELECT query? What method would you use to run an UPDATE query?**

Execute query: this will allow you to select what you want from your query such as select \* from teams

Execute update: this one allows you to add or delete something you can change stuff in your tables and databases.

**What is your favorite thing you learned this week?**

I like how you can make an app that takes and holds information for you.

**References:**

[**https://www.w3schools.com/php/php\_mysql\_prepared\_statements.asp**](https://www.w3schools.com/php/php_mysql_prepared_statements.asp)

[**https://docs.oracle.com/javase/tutorial/jdbc/basics/processingsqlstatements.html**](https://docs.oracle.com/javase/tutorial/jdbc/basics/processingsqlstatements.html)

[**https://docs.oracle.com/javase/tutorial/jdbc/basics/prepared.html**](https://docs.oracle.com/javase/tutorial/jdbc/basics/prepared.html)

**URL to GitHub Repository:**

[**https://github.com/samsquanch27/Week5DB**](https://github.com/samsquanch27/Week5DB)