Relational Databases with MySQL Week 3 Research Assignment

**Points possible:** 30

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| --- | --- | --- |
| 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 are ten different data types MySQL provides?**

**Varchar**

**Timestamp**

**date**

**datetime**

**decimal**

**double**

**char**

**bigint**

**longtext**

**mediumint**

**How is each data type you described used, and what makes it unique?**

**Varchar is a variable length non binary string (0-255) charcters. timestamp is a value in ccyy-mm-dd hh:mm:ss format used for marking accurate times something is done. Date is similiar to timestamp but without the hh:mm:ss whereas datetime is actualy very similar to timestamp. Decimal is a fixed point number. A double is a double precision floating point number. Char is a fixed lengthed nonbinary character string. Bigint is simply dealing with big numbers, aslo mediumint which would be medium numbers. longtext is a large non binary string.**

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

**I have really loved working on creating our own database.**

**References:**

[**http://www.mysqltutorial.org/mysql-data-types.aspx**](http://www.mysqltutorial.org/mysql-data-types.aspx)

[**https://dev.mysql.com/doc/refman/8.0/en/data-types.html**](https://dev.mysql.com/doc/refman/8.0/en/data-types.html)

**URL to GitHub Repository:**