Relational Databases with MySQL Week 2 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.

**Look up 10 different functions available in MySQL that were not covered in the video curriculum. What do they do and how can you use them?**

**DIV - takes integers and divides them.**

**ADDTIME - returns a date/time after a certain time interval has been added.**

**DAYOFWEEK - returns the weekday index for a date value.**

**CHAR\_LENGTH - returns the length of specified string measured in characters.**

**ASCII - returns numeric value of the left-most character of a string.**

**LCASE - converts all characters in specified string to lowercase.**

**INSERT - inserts a substring into a string at a specified position for a certain number of characters.**

**CAST - converts a value from one datatype to another datatype.**

**Write a query using each of the 10 functions you described above (10 queries in total, one for each function).**

**SELECT 23 div 6;**

**ADDTIME( start\_value, time )**

**DAYOFWEEK( date\_value )**

**CHAR\_LENGTH( string )**

**ASCII( single\_character )**

**LCASE( string )**

**INSERT( string, position, number, substring )**

**CAST( value AS type )**

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

**I liked learning how to join tables and display the information needed such as salaries for titles.**

**References:**

[**https://www.techonthenet.com/mysql/functions/cast.php**](https://www.techonthenet.com/mysql/functions/cast.php)

**URL to GitHub Repository:**