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CSD 310

Module 5.2

**RADIANS() Function:**

A screen shot of a computer

Description automatically generated

The RADIANS() function in MySQL converts degrees into radians. This shortcut is useful in conversions for math equations so rather than having to type out the entire equation, radians = (degrees \* π) / 180, you can simply type in the degrees you would like to have converted, and the function does the math for you. An appropriate alias for the column heading could be “Rads” instead of Radians.

**QUARTER() Function:**

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Description automatically generated

The QUARTER() function returns the quarter of the year providing a number one through four based on the users input. Months ranging from January to March will return a one, April to June a two, July to September a three, and October to December a four. The format for the date should be YYYY-MM-DD when input into the code. An appropriate alias for the column heading could be “QTR” for Quarter.

**VERSION() Function:**

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Description automatically generated

The VERSION() function shows the user what version of MySQL they are currently running on. This is a useful tool to keep the user informed and ensure that if any updates are needed, that they take appropriate action to update their current version to avoid any security risks, bugs, or other implications. As noted above my system is currently running the 8.0,39 version of MySQL. An appropriate alias for the VERSION() function could be “vers”.

Resources:

<https://www.w3schools.com/sql/sql_ref_mysql.asp>