MySQL Database Unit 04 – Formatting Queries

Chapter 09 – How to Use Functions

**FORMAT:** Built-in function: allows you to do basic formatting

**NUMBER FORMATTING:**

Sets it to 2 places right of the decimal; puts commas in the thousandths position

* FORMAT (Scholarship, 2)

Sets 0 places to the right of the decimal

* FORMAT(Scholarship, 0)

Add dollar sign in front of the number

* CONCAT(‘$’, FORMAT(Scholarship, 0)) AS ‘Whole Number’

**Date formatting:** : <http://dev.mysql.com/doc/refman/5.7/en/date-and-time-functions.html>.

DATE\_FORMAT(DateOfBirth, '%Y') AS 'Birth Year',

DATE\_FORMAT(DateOfBirth, '%b, %Y') AS 'Birth Mon, Year

DATE\_FORMAT(DateOfBirth, '%M, %Y') AS 'Birth Month, Year',

DATE\_FORMAT(DateOfBirth, '%W, %M %e, %Y') AS 'Day Month, Year'

\*LINK ON BB TO REFERENCE GUIDE FOR THESE CODES\*

* No Formatting:
* SELECT current\_date() AS ‘Today’ ; //Built-in function that displays the date
* Date Addition:
* SELECT DATE\_ADD( current\_date(), INTERVAL 90 DAYS) AS ’90 Days from Today ;
* Date Subtraction (Difference):
* DATEDIFF(current\_date(), DateOfBirth) AS 'Days old today',
* DATEDIFF(current\_date(), DateOfBirth) / 365 AS 'Fractional Age today',
* YEAR(current\_date()) - YEAR(DateOfBirth) AS 'Years old today',
* YEAR(EnrolledDate) - YEAR(DateOfBirth) AS 'Age at enrollment',
* DATEDIFF(current\_date(), EnrolledDate) AS 'Days Enrolled as of today