**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?**

1. Format – allows user to round a numbe to a number of decimal places.
2. Lower – converts a string to lover case used when you need all characters to be lower case.
3. Ltrim – removes all the leading spaces of a string.
4. Replace – replaces all occurrences of a substring within a string with a new subset.
5. Strcmp – Compares two strings.
6. Rand – returns a random number.
7. Sum – returns the sum of a column.
8. Truncates a number to a specified number of decimal places.
9. Year – returns the year of a given date.
10. Now – returns system date.

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

select format(426481345643.35945, 2);

select lower("This is all lower case");

select ltrim(" There are no spaces to the left" );

select replace("from string", "new string");

select strcmp("string 1", "string 2");

select rand();

select sum(salaries) as "Employee Salaries" from employees;

select truncate(columnName) from tableName;

select year(birth\_date) from employees;

select now()

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

I really liked group by I haven’t used it before, but it was very useful this week in the homework.