**Homework 02 SQL Basic Queries**

**All necessary files are found in the /courses/d649d56dba27fe300/STA5067/SAS Data/orion sub directory.**

**Copy and paste your entire program into a .docx or .txt file and submit through Canvas.**

1. **Querying a Table**
   1. Write a query that displays all rows and all columns from the **orion.Employee\_Payroll** table.
   2. Modify the previous query and alter it so that only the columns for **Employee\_ID**, **Employee\_Gender**, **Marital\_Status**, and **Salary** are displayed.
2. **Calculating a Column**

Write a query that generates report. The report should do the following:

* display **Employee\_ID**, **Employee\_Gender**, **Marital\_Status**, **Salary**, and a new column (**Tax**) that is one-third of the employee's salary
* use the **orion.Employee\_Payroll** table

1. **Conditional Processing**

Create a report that displays **Employee\_ID**, **Level**, **Salary**, and **Salary\_Range** using the **orion.Staff** table. **Level** and **Salary\_Range** are two new columns in the report. Conditionally assign values to the two new columns as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Job\_Title (Last Word)** | **Level** | **Salary Ranges** | | |
| **Low** | **Medium** | **High** |
| Manager | Manager | < 52,000 | 52,000-72,000 | > 72,000 |
| Director | Director | <108,000 | 108,000-135,000 | > 135,000 |
| Officer, President | Executive | <240,000 | 240,000-300,000 | > 300,000 |
| Other | N/A | DO NOT INCLUDE IN THE REPORT. | | |

1. **Eliminating Duplicates**

Write a query that generates a report that displays the cities where the Orion Star employees reside. The report should do the following:

* include the title **Cities Where Employees Live**
* display one unique row per **City**
* use the **orion.Employee\_Addresses** table

1. **Subsetting Data**

Write a query that generates a report that displays Orion Star employees whose total charitable contributions exceed $90.00. The report should have the following characteristics:

* include the title **Donations Exceeding $90.00** display **Employee\_ID**, **Recipients**, and the new column **Total** that represents the total charitable contribution for each employee over the four quarters
* use the **orion.Employee\_donations** table
* include only employees whose charitable contribution **Total** for all four quarters exceeds $90.00