WST 212 Practical 2 -Basic Queries

Instructions:

- Complete the questions which follow and save all your code in a single R script, named Practical2.R ☻

Submission 1: Code 🖥

- Multiple code submissions are allowed and your autograded results will be available shortly after each submission.
- Ensure all variables are named correctly, as incorrectly named variables will not be awarded any marks. (Remember variable names are case sensitive.)
- Ensure your code does not consist of any syntax errors. If your code produces errors when run, the autograder will not be able to mark it.
- Any code commented out (code is commented out when # is typed in front of it) will be considered rough work and will not be marked.
- Once you have completed your submission, ensure the file is submitted on Gradescope, with the correct file name. The autograder will only be able to grade your submission if you use the correct filename.

Guidelines:

- The datasets required to complete the practical have been provided on ClickUP.
- A template that can be used for this assignment has been provided on ClickUP.
- Remember to assign your code to the variables indicated in this document.

Questions:

Answer the following questions based on the payroll, employees, and staff datasets given on ClickUP.

1.) Write a query that only displays the columns for Employee_ID, Employee_Gender, Marital_Status, and Salary from the payroll.csv table. Order your report by Salary in a descending order. Save the report as q1.

2.) Write a query that generates a report that includes the following: Displays Employee_ID, Employee_Gender, and Salary for all employees that reside in Philadelphia. Use the employees.csv table. Order your report by Salary in a descending order. Save the report as q2.

3.) Write a query that generates a report that includes the following: Employee_ID, Employee_Gender, Marital_Status, Salary, and a new column (Tax) that is one-third of the employee's salary. Use the payroll.csv table. Order your report by Salary in a descending order. Save the report as q3.

4.) Create a report that displays Employee_ID, Salary, and Salary_Range using the staff.csv table. Salary_Range is a new column in the report that is calculated as follows:

Salary range		
Low	Medium	High
< 52,000	52,000 – 72,000	> 72,000

Finally, order the report by Salary in a descending order. Save the report as q4.