# **ASSIGNMENT 5: SQL QUERYING**

**Akhilesh Keerthi**

**GID: G01353729**

**Data Analytics Engineering, MS**

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**Prof. Myeong Lee**

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# **SQL QUERYING**

1. Write an SQL query to create table for given dataset. Use the SQL command below to display the characteristics of the table.

**Reasoning**: -

SELECT \* FROM information\_schema.columns WHERE table\_name = 'employeeattrition';

Table

Description automatically generated

1. Write SQL commands that find the following:
2. Count the total number of records in the table.

**Reasoning**: -

select count(\*) from employeeattrition;

Graphical user interface, application, Word

Description automatically generated

1. How many unique JOBROLE are there in the dataset. Order them by alphabetical order from A to Z.

**Reasoning**: -

select count(Distinct jobrole) from employeeattrition;

Graphical user interface, text, application

Description automatically generated

Select Distinct Jobrole From Employeeattrition Order By Jobrole Asc;

Graphical user interface, text, application, email

Description automatically generated

1. Find EMPLOYEENUMBER, EDUCATIONFIELD, JOBROLE for all the employees whose AGE is greater than 50 and ATTRITION is YES.

**Reasoning**: -

select EMPLOYEENUMBER, EDUCATIONFIELD, JOBROLE from EMPLOYEEATTRITION where AGE > 50 and ATTRITION='YES';

Graphical user interface, application, Word

Description automatically generated

1. Count the different MARITALSTATUS when ATTRITION is YES in the dataset. Arrange the count in descending order (Hint: Use GROUP BY statement).

**Reasoning**: -

SELECT count(MARITALSTATUS) from EMPLOYEEATTRITION where ATTRITION='Yes' group by MARITALSTATUS;

Graphical user interface, text, application, email

Description automatically generated

1. For each JOBROLE when the ATTRITION is No, find the average MONTHLYINCOME for only those employees having DAILYRATE greater than or equal to 110 (Hint: Use GROUP BY and HAVING statements together).

**Reasoning**: -

SELECT JOBROLE,DAILYRATE,avg(MONTHLYINCOME) from EMPLOYEEATTRITION where ATTRITION='No' group by JOBROLE,DAILYRATE having DAILYRATE>=110;

Graphical user interface, application

Description automatically generated

Note:- For the above query there are 1158 rows generated.