**Data Science** 

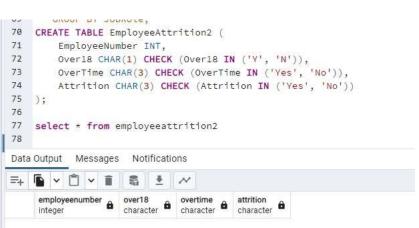
Homework 5

Muhammad . (mm06369)

## Part 1

## Create Table Queries

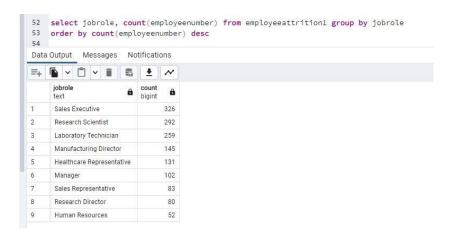
```
15 CREATE TABLE EmployeeAttrition1 (
16
        EmployeeNumber INT,
17
        Age INT,
        BusinessTravel TEXT,
18
        DailyRate INT,
19
20
        Department TEXT,
21
        DistanceFromHome INT,
22
        Education INT,
        EducationField TEXT,
23
24
        EnvironmentSatisfaction INT,
25
        Gender TEXT,
        HourlyRate INT,
26
        JobInvolvement INT,
27
28
        JobLevel INT,
29
        JobRole TEXT,
        JobSatisfaction INT,
38
        MaritalStatus TEXT,
31
32
        MonthlyIncome INT,
        MonthlyRate INT,
33
        NumCompaniesWorked INT,
34
35
        PercentSalaryHike INT,
36
        PerformanceRating INT,
37
        RelationshipSatisfaction INT,
38
        StandardHours INT,
39
        StockOptionLevel INT,
40
        TotalWorkingYears INT,
        TrainingTimesLastYear INT,
41
        WorkLifeBalance INT,
42
43
        YearsAtCompany INT,
44
        YearsInCurrentRole INT,
45
        YearsSinceLastPromotion INT,
        YearsWithCurrManager INT
46
47 );
```



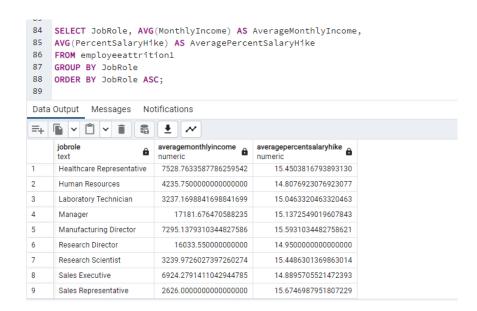
1. the count of total number of records in the table



2. the count of records for each JobRole in descending order of count



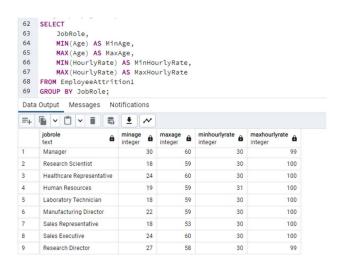
3. the average MonthlyIncome and PercentSalaryHike for each JobRole in ascending order of JobRole



4. the average JobSatisfaction for each Gender and MaritalStatus



5. the range (Min and Max) of Age and HourlyRate for each JobRole



6. Join two tables for EmployeeAttrition1.csv and EmployeeAttrition2.csv and display 20 records with the following columns • EmployeeNumber, Age, Gender, JobRole, OverTime and Attrition

