SQL Project

Problem Statement:

You are tasked with analyzing the employee data of a company to gain insights into various aspects of its workforce. The dataset provided contains information about employees, their departments, salaries, titles, and managerial positions. Data set schema is available in excel file.

Using SQL queries and data manipulation techniques, you are expected to extract relevant information from the dataset and present meaningful insights to support decision-making processes within the organization.

Here is the list of 30 Questions. You can choose any 15 Questions for analyst and get hands of experience on SQL while complete your Internship.

1. Retrieve the first name and last name of all employees.
2. Find the department numbers and names.
3. Get the total number of employees.
4. Find the average salary of all employees.
5. Retrieve the birth date and hire date of employee with emp_no 10003.
6. Find the titles of all employees.
7. Get the total number of departments.
8. Retrieve the department number and name where employee with emp_no 10004 works.
9. Find the gender of employee with emp_no 10007.
10. Get the highest salary among all employees.
11. Retrieve the names of all managers along with their department names.
12. Find the department with the highest number of employees.
13. Retrieve the employee number, first name, last name, and salary of employees earning more than $60,000.
14. Get the average salary for each department.
15. Retrieve the employee number, first name, last name, and title of all employees who are currently managers.
16. Find the total number of employees in each department.
17. Retrieve the department number and name where the most recently hired employee works.
18. Get the department number, name, and average salary for departments with more than 3 employees.
19. Retrieve the employee number, first name, last name, and title of all employees hired in 2005.
20. Find the department with the highest average salary.
21. Retrieve the employee number, first name, last name, and salary of employees hired before the year 2005.
22. Get the department number, name, and total number of employees for departments with a female manager.
23. Retrieve the employee number, first name, last name, and department name of employees who are currently working in the Finance department.
24. Find the employee with the highest salary in each department.
25. Retrieve the employee number, first name, last name, and department name of employees who have held a managerial position.
26. Get the total number of employees who have held the title "Senior Manager."

27. Retrieve the department number, name, and the number of employees who have worked there for more than 5 years.
28. Find the employee with the longest tenure in the company.
29. Retrieve the employee number, first name, last name, and title of employees whose hire date is between '2005-01-01' and '2006-01-01'.
30. Get the department number, name, and the oldest employee's birth date for each department.