**Assignment 1: Analyzing HR Data for Business Insights**

**Background:**  
You are a new data analyst in the Human Resources (HR) department of a company. The company has provided you with an HR database containing information about employees, departments, jobs, job history, and locations. Your task is to analyze this data to provide insights that can help in decision-making processes.

**Objective:**  
Use basic SQL queries to analyze the HR dataset and address specific business questions. Your analysis should help the HR department understand the workforce better and make informed decisions.

**Data Available:**

1. **employees**: Details about employees, including their department and job IDs.
2. **departments**: Information about each department.
3. **jobs**: Data about job roles, including salary ranges.
4. **job\_history**: Historical data of employees' job roles.
5. **locations**: Information about the location of each department.

A table with numbers and numbers

Description automatically generated

**Tasks:**

1. **Employee Demographics Analysis**
   * **Question:** What is the gender distribution across the company?
   * **SQL Concept:** COUNT, WHERE
2. **Salary Insights**
   * **Question:** What are the minimum, maximum, and average salaries in the company?
   * **SQL Concept:** MIN, MAX, AVG
3. **Departmental Headcount**
   * **Question:** How many employees work in each department?
   * **SQL Concept:** COUNT, WHERE

**Deliverables:**

* A report containing:
  + The SQL queries used for each task.
  + The results of these queries.
  + Brief interpretations or insights based on the results.
* A summary explaining how these insights can aid the HR department in decision-making.