

# SQL (Assignment)

## Employee Table

EmpID	FirstName	LastName	Department	Salary	HireDate
101	Alice	Johnson	IT	6500	2020-03-15
102	Mark	Rivera	HR	4800	2019-07-22
103	Sophia	Lee	Finance	7200	2021-01-10
104	Daniel	Kim	IT	5800	2018-11-05
105	Emma	Brown	Marketing	5300	2022-04-18
106	Liam	Patel	Finance	6900	2020-09-29
107	Olivia	Garcia	HR	4600	2017-06-30
108	Noah	Thompson	IT	7500	2023-02-12
109	Ava	Martinez	Marketing	5100	2019-12-02
110	Ethan	Davis	Finance	8000	2016-05-14

Create the above Table in MySQL and solve the following problems based on it.

## Assignment Problems

**Q1.** Write a query to display every employee and all their data.

**Q2.** List only the FirstName, LastName, and Salary of every employee.

**Q3.** Show all employees who work in the 'IT' department.

**Q4.** Retrieve employees with a salary **greater than 6000**.

**Q5.** List all employees ordered by **HireDate from newest to oldest**.

**Q6.** Show a list of all **unique departments** present in the table.

**Q7.** Find employees whose first name **starts with 'A'**.

**Q8.** Show employees whose salaries are **between 4000 and 7000**.

**Q9.** Find the **average salary** of all employees.

**Q10.** List each department along with the **number of employees**, but only include departments with **more than 3 employees**.

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