



Brain International School

Vikas Puri, New Delhi

ASSIGNMENT NO. 4

SUBJECT : INFORMATICS PRACTICES

CLASS-XII

OCTOBER,2025

MySQL revision tour, Sql functions

Consider the following table **EMPLOYEE**:

EmpID	Name	Department	Salary	JoinDate	Gender
E101	Asha Sharma	HR	45000	2019-03-15	F
E102	Rajiv Singh	IT	52000	2020-07-01	M
E103	Meera Gupta	Finance	60000	2018-11-20	F
E104	Amit Patel	IT	48000	2021-01-10	M
E105	Sonia Rao	HR	55000	2019-09-05	F

1. Write a query to find the **average salary** of all female employees.
2. Write a query to display the **maximum** and **minimum** salary in each **Department**.
3. Write a query to display the names of employees who joined in the year **2020** and also show the month of joining (as month name).
4. Write a query to count how many employees are there in each Department.
5. Write a query to display the Name and Salary of those employees whose Salary is above the **overall average salary** of all employees.
6. Write a query to round off the salary of each employee to the nearest thousand.
7. Write a query to display the first 3 characters of each employee's name and the total length of their name.
8. Write a query to find out how many male employees there are whose names start with the letter 'A'.
9. Write a query to list employees, but show their JoinDate in the format "Day-MonthName-Year" (e.g. "15-March-2019").
10. Write a query to display for each employee, the number of years they have completed in the company (rounded down) as of today.
11. Write a query to display the **Name** and **Department** of employees whose salary lies between **45,000 and 55,000** (inclusive).
12. Write a query to display the total **salary expenditure** of the company.
13. Write a query to list the **unique departments** from the table in alphabetical order.
14. Write a query to find the **highest salary** among all employees.
15. Write a query to display the **Name** of employees along with their salary increased by **10%** (without updating the table).