**TOPIC 01: Introduction to SQL**

**Exercises**

**\*\*\* This exercise is performed on HR Schema (HR database) \*\*\***

**\*\*\* For all queries use table employees \*\*\***

1. Write a query in SQL to display the full name (first and last name), and salary for those employees who earn below 6000.

select first\_name || ' ' || last\_name, salary from EMPLOYEES where salary < 6000;

1. Write a query in SQL to display the first and last\_name, department number and salary for those employees who earn more than 8000.

select first\_name || ' ' || last\_name, salary, DEPARTMENT\_ID from EMPLOYEES where salary > 8000;

1. Write a query in SQL to display the first and last name, and department number for all employees whose last name is “McEwen”.

select first\_name || ' ' || last\_name, DEPARTMENT\_ID from EMPLOYEES where last\_name like '%McEwen%';

1. Write a query in SQL to display all the information for all employees without any department number.

select \* from employees where DEPARTMENT\_ID is null;

1. Write a query in SQL to display all the information about the department Marketing (table: departments).

select \* from departments where DEPARTMENT\_NAME = 'Marketing';

1. Write a query in SQL to display the full name (first and last), hire date, salary, and department number for those employees whose first name does not containing the letter M and make the result set in ascending order by department number.

SELECT first\_name || ' ' || last\_name AS "Full Name", hire\_date, salary, department\_id

FROM employees

WHERE UPPER(first\_name) NOT LIKE '%M%'

ORDER BY department\_id;

1. Write a query in SQL to display all the information of employees whose salary is in the range of 8000 and 12000 and commission is not null or department number is except the number 40, 120 and 70 and they have been hired before June 5th, 1987.

SELECT \*

FROM employees

WHERE (salary BETWEEN 8000 AND 12000 AND commission\_pct IS NOT NULL)

OR (department\_id NOT IN (40,120,70) AND hire\_date < TO\_DATE ('05-Jun-1987', 'DD-Mon-YYYY'));

1. Write a query in SQL to display the full name (first and last name), and salary for all employees who does not earn any commission.

SELECT first\_name || ' ' || last\_name AS "Full Name", salary FROM employees WHERE commission\_pct IS NULL;

1. Write a query in SQL to display the full name (first and last), the phone number and email separated by hyphen, and salary, for those employees whose salary is within the range of 9000 and 17000. The column headings assign with Full\_Name, Contact\_Details and Remuneration respectively.

SELECT

first\_name || ' ' || last\_name AS "Full\_Name",

phone\_number || '-' || email AS "Contact\_Details",

salary AS "Remuneration"

FROM

employees

WHERE

salary BETWEEN 9000 AND 17000;

1. Write a query in SQL to display the first and last name, and salary for those employees whose first name is ending with the letter m.

SELECT first\_name, last\_name, salary FROM employees WHERE UPPER(first\_name) LIKE '%M';