

LAB 6

1. Consider two tables, customers and orders, with the following structures:

Customers Table:

customer_id (Primary Key)

first_name

Last_name

Orders Table:

order_id (Primary Key)

customer_id (Foreign Key)

order_date

Total_amount

Write an SQL query to retrieve the first and last names of customers along with the order date and total amount of their orders. Use an INNER JOIN to connect the two tables.

```
SELECT
customers.first_name,
customers.last_name,
orders.order_date,
orders.total_amount
FROM customers INNER JOIN orders
ON customers.customer_id = orders.customer_id;
```

2. Consider two tables, departments and employees, with the following structures:

Departments Table:

department_id (Primary Key)

department_name

Employees Table:

employee_id (Primary Key)

first_name

last_name

department_id (Foreign Key)

Write an SQL query to retrieve a list of all departments and the names of employees who belong to each department. Use a LEFT JOIN to include departments that have no employees.

```
SELECT
departments.department_name,
employees.first_name,
employees.last_name
FROM departments LEFT JOIN employees
ON departments.department_id = employees.department_id;
```