SHOW DATABASES;

CREATE DATABASE sl3\_impala;

USE sl3\_impala;

CREATE TABLE employees (

id INT,

name STRING,

department STRING,

salary DOUBLE

)

STORED AS PARQUET;

INSERT INTO employees VALUES

(1, 'Aarav', 'Engineering', 95000),

(2, 'Priya', 'Marketing', 72000),

(3, 'Rohan', 'Finance', 85000),

(4, 'Saanvi', 'Engineering', 98000),

(5, 'Karthik', 'Engineering', 87000),

(6, 'Neha', 'Marketing', 74000);

SELECT \* FROM employees WHERE department = 'Engineering';

SELECT \* FROM employees WHERE salary > 90000;

SELECT department, AVG(salary) AS avg\_salary FROM employees GROUP BY department;

SELECT \* FROM employees ORDER BY salary DESC LIMIT 3;

SELECT e.name, e.department, e.salary FROM employees e

JOIN ( SELECT department, AVG(salary) AS avg\_salary FROM employees

GROUP BY department

) dept\_avg

ON e.department = dept\_avg.department

WHERE e.salary < dept\_avg.avg\_salary;