**/\* Employees table\*/**

CREATE TABLE Employees (

EmployeeID INT PRIMARY KEY,

FirstName VARCHAR(50),

LastName VARCHAR(50),

DepartmentID INT,

Salary DECIMAL(10, 2)

);

INSERT INTO Employees VALUES (1, 'John', 'Doe', 1, 60000);

INSERT INTO Employees VALUES (2, 'Jane', 'Smith', 2, 70000);

INSERT INTO Employees VALUES (3, 'Bob', 'Johnson', 1, 55000);

INSERT INTO Employees VALUES (4, 'Alice', 'Williams', 3, 80000);

select \* from Employees

**/\*department table\*/**

CREATE TABLE Departments (

DepartmentID INT PRIMARY KEY,

DepartmentName VARCHAR(50)

);

INSERT INTO Departments VALUES (1, 'HR');

INSERT INTO Departments VALUES (2, 'IT');

INSERT INTO Departments VALUES (3, 'Finance');

select \* from Departments

/\* **Simple Query with Joins\*/**

SELECT

e.EmployeeID,

e.FirstName,

e.LastName,

e.Salary,

d.DepartmentName

FROM Employees e

JOIN

Departments d ON e.DepartmentID = d.DepartmentID;

/\* **Nested Query with Operators\*/**

SELECT EmployeeID, FirstName, LastName,Salary,DepartmentID

FROM Employees WHERE Salary > (SELECT AVG(Salary) FROM Employees WHERE

DepartmentID = Employees.DepartmentID);