

## Assignment 1 :

### 1. Basic SQL Queries:

- `SELECT * FROM employees;`
- `SELECT emp_id, emp_name, dept_id  
FROM employees  
WHERE location = 'Cairo';`

### 2. DISTINCT Keyword:

- `SELECT DISTINCT dept_id  
FROM employees;`

### 3. Data Definition Language (DDL):

- `CREATE TABLE students (  
ID INT PRIMARY KEY,  
First_Name VARCHAR(255) NOT NULL,  
Last_Name VARCHAR(255) DEFAULT 'Unknown',  
Address VARCHAR(255) DEFAULT 'N/A',  
City VARCHAR(255) DEFAULT 'N/A',  
Birth_Date DATE  
);`
- `DROP TABLE students;`

### 4. Data Manipulation Language (DML):

- `INSERT INTO students (First_Name, Last_Name, Address, City, Birth_Date)  
VALUES ('Ahmed', 'Ali', 'Downtown', 'Cairo', '1995-01-01');`
- `UPDATE students  
SET Address = 'Garden City'  
WHERE Last_Name = 'Ahmed';`

### 5. Transaction Control:

- `BEGIN TRANSACTION;`

`DELETE FROM students  
WHERE City = 'Cairo';`

`ROLLBACK;`