Assignment Questions:

1. **Basic SQL Queries:**
   - Write a SQL query to retrieve all columns from a table named `employees`.
     ➔ **SELECT * FROM employees;**
   - Write a SQL query to retrieve the `emp_id`, `emp_name`, and `dept_id` from the `employees` table, where the `location` is 'Cairo'.
     ➔ **SELECT emp_id, emp_name,dept_id FROM employees WHERE location = 'Cairo';**
2. **DISTINCT Keyword:**
   - Write a SQL query that displays distinct `dept_id` values from the `employees` table.
     ➔ **SELECT DISTINCT dept_id FROM employees;**
3. **Data Definition Language (DDL):**
   - Write a SQL query to create a table `students` with the following columns: `ID` (Primary Key), `First_Name` (not null), `Last_Name` (default 'Unknown'), `Address` (default 'N/A'), `City` (default 'N/A'), and `Birth_Date`.
     ➔ **CREATE TABLE students (**
     ID INT AUTO_INCREMENT PRIMARY KEY,
     First_Name Varchar(30) NOT NULL,
     Last_Name Varchar(30) DEFAULT 'UNKNOWN',
     Address Varchar(50) DEFAULT 'N/A',
     City VarChar(20) DEFAULT 'N/A',
     Birth_date Date
     );
   - Write a SQL query to drop the `students` table.
     DROP TABLE students;
4. **Data Manipulation Language (DML):**
   - Write a SQL query to insert the following values into the `students` table: ('Ahmed', 'Ali', 'Downtown', 'Cairo', '1995-01-01').
     ➔ **INSERT INTO students (First_Name, Last_Name, Address, City, Birth_Date) VALUES (**'Ahmed', 'Ali', 'Downtown', 'Cairo', '1995-01-01'**);**
   - Write a SQL query to update the `Address` of the student with `Last_Name = 'Ahmed'` to 'Garden City'.
     ➔ **UPDATE TABLE students SET Address = 'Garden City' WHERE Last_Name = 'Ahmed';**
5. **Transaction Control:**
   - Write a SQL query to delete the rows from the `students` table where `City` is 'Cairo', and then rollback the transaction.

     ➔ **START TRANSACTION;**
     DELETE FROM students WHERE City = 'Cairo';
     ROLLBACK;