**SQL SYNTAX**

1. **Employee table**

CREATE TABLE "Employee" (

    "Employee ID" INTEGER NOT NULL UNIQUE,

    "Name" TEXT NOT NULL,

    "Age" INTEGER NOT NULL,

    "Phone Number" TEXT NOT NULL UNIQUE,

    "Department ID" INTEGER NOT NULL,

    PRIMARY KEY("Employee ID" AUTOINCREMENT),

    FOREIGN KEY("Department ID") REFERENCES "Department"("Department ID")

);

1. **Department table**

CREATE TABLE "Department" (

    "Department ID" INTEGER NOT NULL UNIQUE,

    "Department Name" TEXT NOT NULL,

    PRIMARY KEY("Department ID" AUTOINCREMENT)

);

1. **Attendance table**

CREATE TABLE "Attendance" (

    "Attendance ID" INTEGER NOT NULL UNIQUE,

    "Employee ID" INTEGER NOT NULL,

    "Date" DATE NOT NULL,

    PRIMARY KEY("Attendance ID" AUTOINCREMENT),

    FOREIGN KEY("Employee ID") REFERENCES "Employee"("Employee ID")

);

1. **Salary table**

CREATE TABLE "Salary" (

    "Salary ID" INTEGER NOT NULL UNIQUE,

    "Employee ID" INTEGER NOT NULL,

    "Basic Salary" INTEGER NOT NULL,

    PRIMARY KEY("Salary ID" AUTOINCREMENT),

    FOREIGN KEY("Employee ID") REFERENCES "Employee"("Employee ID")

);

1. **Leave table**

CREATE TABLE "Leave" (

    "Leave ID" INTEGER NOT NULL UNIQUE,

    "Employee ID" INTEGER NOT NULL,

    "Start Date" DATE NOT NULL,

    "End Date" DATE NOT NULL,

    PRIMARY KEY("Leave ID" AUTOINCREMENT),

    FOREIGN KEY("Employee ID") REFERENCES "Employee"("Employee ID")

);

Inserting two rows into each table

1. **Employee table**

INSERT INTO "Employee" ("Name", "Age", "Phone Number", "Department ID")

VALUES

('Shreya Joshi', 28, '9866291366', 1),

('Riwaaz Gurung', 32, '9822546321', 2);

1. **Department table**

INSERT INTO "Department" ("Department Name")

VALUES

('Manager’'),

('Finance');

1. **Attendance table**

INSERT INTO "Attendance" ("Employee ID", "Date")

VALUES

(1, '2025-03-01'),

(2, '2025-03-02');

4**. Salary table**

INSERT INTO "Salary" ("Employee ID", "Basic Salary")

VALUES

(1, 30000),

(2, 10000);

1. **Leave table**

INSERT INTO "Leave" ("Employee ID", "Start Date", "End Date")

VALUES

(1, '2025-03-10', '2025-01-15'),

(2, '2025-04-05', '2025-04-10');

**SELECT QUERY SYNTAX**

1. SELECT \* FROM "Employee";
2. SELECT \* FROM Employee

WHERE "Department ID" = 1;

1. SELECT "Employee ID" AS ID, "Name" AS Employee, "Phone Number" AS Phone

FROM Employee;

1. SELECT SUM("Basic Salary") FROM Salary;
2. SELECT Employee."Employee ID", Employee."Name", Department."Department Name"

FROM Employee

JOIN Department ON Employee."Department ID" = Department."Department ID";





