Input

Run SQL

```sql
-- Step 1: Create the DEPT Table with AUTOINCREMENT
drop table dept;
CREATE TABLE DEPT (
    DEPT_ID INTEGER PRIMARY KEY AUTOINCREMENT,
    DEPT_NAME TEXT NOT NULL
);

-- Step 2: Create the EMP Table (Assuming DEPT_ID is a foreign key)
CREATE TABLE EMP (
    EMP_ID INTEGER PRIMARY KEY AUTOINCREMENT,
    EMP_NAME TEXT NOT NULL,
    DEPT_ID INTEGER,
    FOREIGN KEY (DEPT_ID) REFERENCES DEPT(DEPT_ID)
);
```

Output

DEPT_ID	DEPT_NAME
1	Education
2	Administration

index_name	index_definition
idx_emp_dept_id	CREATE INDEX idx_emp_dept_id ON EMP (DEPT_ID)

Input

Run SQL

```
-- Save this part in lab12_3.sql file
INSERT INTO DEPT (DEPT_NAME) VALUES ('Education');
INSERT INTO DEPT (DEPT_NAME) VALUES ('Administration');

-- Confirm the additions
SELECT * FROM DEPT;

-- Step 4: Create Non-Unique Index on the DEPT_ID in the EMP Table
CREATE INDEX idx_emp_dept_id ON EMP (DEPT_ID);

-- Step 5: Display Indexes and Uniqueness for the EMP Table
SELECT
    name AS index_name,
    sql AS index_definition
FROM
    sqlite_master
```

Output

DEPT_ID	DEPT_NAME
1	Education
2	Administration

index_name	index_definition
idx_emp_dept_id	CREATE INDEX idx_emp_dept_id ON EMP (DEPT_ID)

```
-- Step 5: Display indexes and uniqueness for the EMP table
SELECT
    name AS index_name,
    sql AS index_definition
FROM
    sqlite_master
WHERE
    type = 'index' AND name LIKE 'idx_%';
```

Output

DEPT_ID	DEPT_NAME
1	Education
2	Administration

index_name	index_definition
idx_emp_dept_id	CREATE INDEX idx_emp_dept_id ON EMP (DEPT_ID)