**EXPERIMENT 5**

**DDL COMMANDS (COLLEGE SCHEMA)**

**Aim:**

* Create a schema called College.
* Create tables for students (attributes: student id, name, gender, subject, marks and grade), faculty (attributes: faculty id, name, course and pass percentage), department (attributes: department id, name, section, strength and pass percentage) and activity (attributes: activity id, name, strength and category)
* Add and modify:
  + Address in students table, change datatype size of student name and make student id primary key
  + Add faculty total mentor details, make faculty id as primary key
  + Add number of students in wise in department table and make department id as primary key
  + Add faculty name to activity table, change the datatype size of activity name and make activity id as primary key

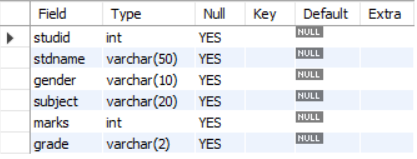
**Procedure:**

**Code:**

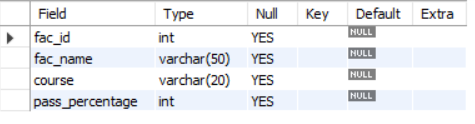
* **create schema College;**
* **create table student(studid integer, std\_name varchar(50), gender varchar(10), subject varchar(20), marks integer, grade varchar(2));**
* **create table Faculty(fac\_id integer, fac\_name varchar(50), course varchar(10), pass\_percentage integer);**
* **create table department(dept\_no integer, dept\_name varchar(20), section varchar(1), no\_of\_students integer, pass\_percentage integer);**
* **create table Activity(act\_id integer, act\_name varchar(50), no\_of\_students\_opted integer, category\_of\_activity varchar(50));**

**Verifying:**

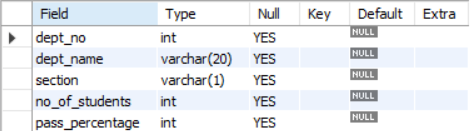
**Student table**



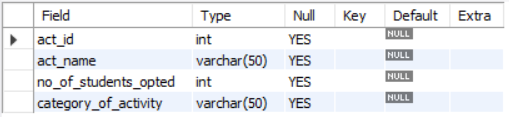
**Faculty table**



**Department table**



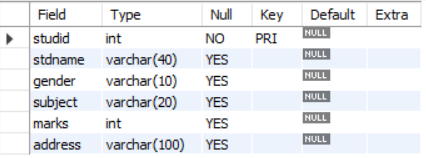
**Activity table**



**Code:**

* **ALTER TABLE student add column address varchar(100);**
* **ALTER TABLE student modify stdname varchar(40);**
* **ALTER TABLE student add primary key (studid);**

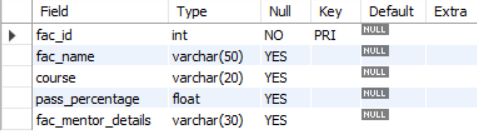
**Verifying:**



**Code:**

* **ALTER TABLE faculty add(fac\_mentor\_details varchar(30), primary key(fac\_id));**

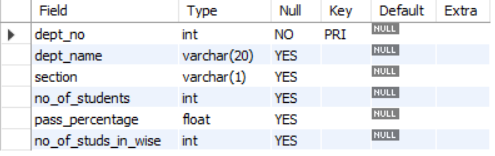
**Verifying:**



**Code:**

* **ALTER TABLE department add(no\_of\_studs\_in\_wise int, primary key(dept\_no));**

**Verifying:**



**Code:**

* **ALTER TABLE activity add faculty\_name varchar(50);**
* **ALTER TABLE activity modify act\_name varchar(10);**
* **ALTER TABLE activity ADD primary key (act\_id);**

**Verifying:**

