**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

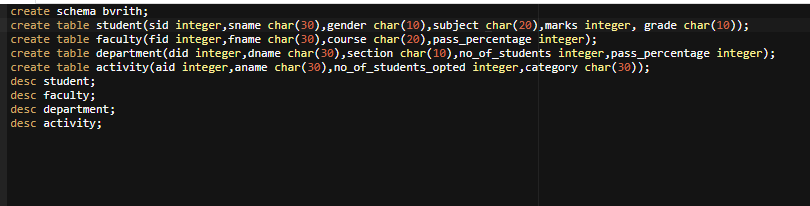
**Components:**

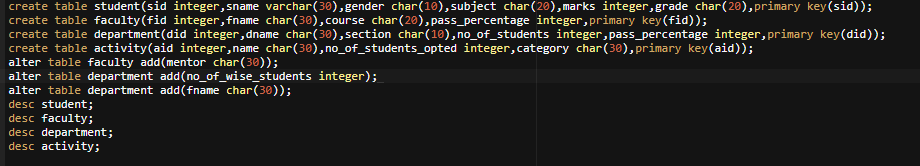
1. DDL(Data Definition Language) :DDL or Data Definition Language actually consists of the SQL commands that can be used to define the database schema. It simply deals with descriptions of the database schema and is used to create and modify the structure of database objects in the database.

Examples of DDL commands:

* + [CREATE](https://www.geeksforgeeks.org/sql-create/) – is used to create the database or its objects (like table, index, function, views, store procedure and triggers).
  + [DROP](https://www.geeksforgeeks.org/sql-drop-truncate/) – is used to delete objects from the database.
  + [ALTER](https://www.geeksforgeeks.org/sql-alter-add-drop-modify/)-is used to alter the structure of the database.
  + [TRUNCATE](https://www.geeksforgeeks.org/sql-drop-truncate/)–is used to remove all records from a table, including all spaces allocated for the records are removed.
  + [COMMENT](https://www.geeksforgeeks.org/sql-comments/) –is used to add comments to the data dictionary.
  + [RENAME](https://www.geeksforgeeks.org/sql-alter-rename/)–is used to rename an object existing in the database.

**Code:**





**Output:**

Field Type Null Key Default Extra

sid int NO PRI NULL

sname varchar(30) YES NULL

gender char(10) YES NULL

subject char(20) YES NULL

marks int YES NULL

grade char(20) YES NULL

Field Type Null Key Default Extra

fid int NO PRI NULL

fname char(30) YES NULL

course char(20) YES NULL

pass\_percentage int YES NULL

mentor char(30) YES NULL

Field Type Null Key Default Extra

did int NO PRI NULL

dname char(30) YES NULL

section char(10) YES NULL

no\_of\_students int YES NULL

pass\_percentage int YES NULL

no\_of\_wise\_students int YES NULL

fname char(30) YES NULL

Field Type Null Key Default Extra

aid int NO PRI NULL

name char(30) YES NULL

no\_of\_students\_opted int YES NULL

category char(30) YES NULL