-- QUERY TO CREATE DATABASE AND USE DATABASE

CREATE DATABASE UNIVERSITY;

USE UNIVERSITY;

-- QUERY TO CREATE TABLE WITH PRIMARY KEY

CREATE TABLE DEPARTMENT(

ID INTEGER PRIMARY KEY IDENTITY(1,1),

DEPT\_NAME VARCHAR(50) NOT NULL

);

-- QUERY TO RENAME TABLE

EXEC sp\_rename 'DEPARTMENT', 'DEPARTMENTS';

-- QUERY TO CREATE TABLE WITH PRIMARY KEY AND FOREIGN KEY

CREATE TABLE STUDENTS(

REG\_NUMBER VARCHAR(10) PRIMARY KEY,

FULL\_NAME VARCHAR(50),

AGE INTEGER,

DEPT\_ID INTEGER FOREIGN KEY REFERENCES DEPARTMENTS(ID) ON DELETE CASCADE

);

CREATE TABLE TEMP(

ID INTEGER,

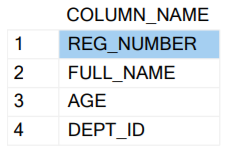
VAL VARCHAR(10)

);

-- QUERY TO SHOW COLUMN NAMES OF TABLE

SELECT COLUMN\_NAME FROM INFORMATION\_SCHEMA.COLUMNS WHERE TABLE\_NAME = 'STUDENTS';

Output:



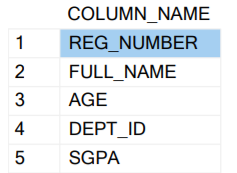
-- QUERY TO ALTER TABLE

ALTER TABLE STUDENTS

ADD SGPA DECIMAL(5, 2);

SELECT COLUMN\_NAME FROM INFORMATION\_SCHEMA.COLUMNS WHERE TABLE\_NAME = 'STUDENTS';

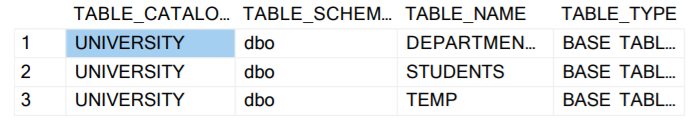
Output:



-- QUERY TO SHOW ALL TABLES IN DATABASE

SELECT\* FROM UNIVERSITY.INFORMATION\_SCHEMA.TABLES;

Output:

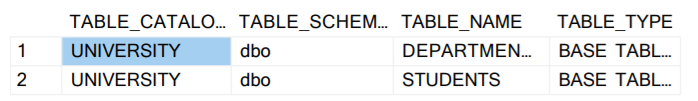


-- QUERY TO DROP THE TABLE

DROP TABLE TEMP;

SELECT\* FROM UNIVERSITY.INFORMATION\_SCHEMA.TABLES;

Output:



-- QUERY TO INSERT DATA INTO TABLE

INSERT INTO DEPARTMENTS(DEPT\_NAME) VALUES('MATHEMATICS');

INSERT INTO DEPARTMENTS(DEPT\_NAME) VALUES('COMPUTER SCIENCE');

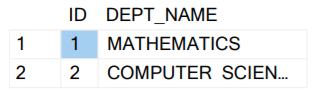
INSERT INTO STUDENTS(REG\_NUMBER, FULL\_NAME, AGE, DEPT\_ID, SGPA) VALUES('2020BCS512', 'SHINDE CHAITANYA ADINATH', 20, 2, 92.5);

INSERT INTO STUDENTS(REG\_NUMBER, FULL\_NAME, AGE, DEPT\_ID, SGPA) VALUES('2020BCS513', 'CHAUDHARI AKASH DATTA', 19, 1, 94.5);

-- QUERY TO SHOW DATA FROM TABLE

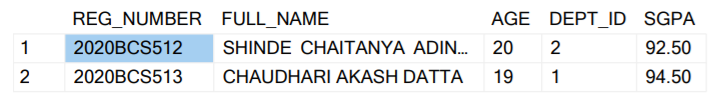
SELECT \* FROM DEPARTMENTS;

Output:



SELECT \* FROM STUDENTS;

Output:



-- QUERY TO TRUNCATE DATA FROM TABLE

TRUNCATE TABLE STUDENTS;

SELECT \* FROM STUDENTS;

-- QUERY TO DROP DATABASE

USE master;

ALTER DATABASE UNIVERSITY SET SINGLE\_USER WITH ROLLBACK IMMEDIATE;

DROP DATABASE UNIVERSITY ;