**BDTM: Big data tool for managers**

**1st Internal answer sheet**

**USN: 1SI22BA003**

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**Class Section: 2nd semester, ‘A’ section[MBA]**

**Q1. Demonstrate MySQL Database operation**

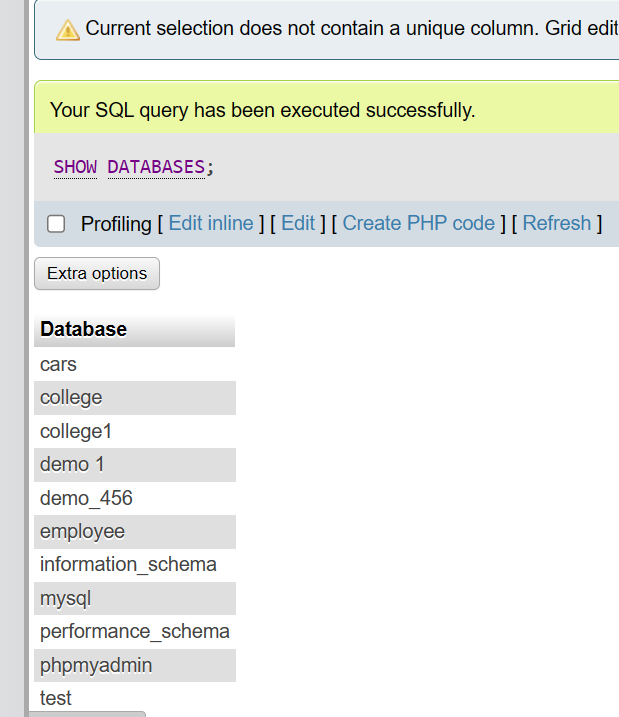
1. Create a database CARS in MySQL

CREATE DATABASE CARS;



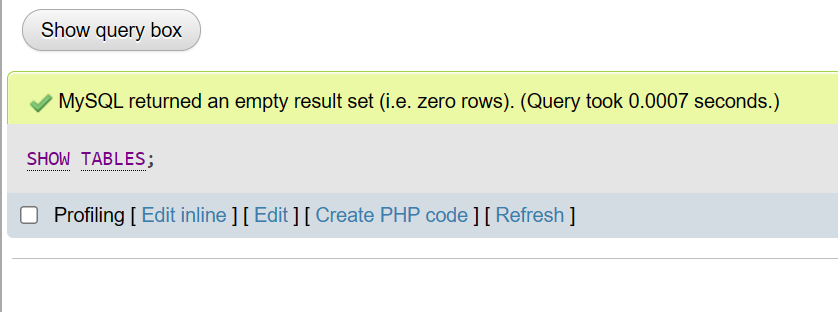
B. List all the databases available in MySQL

SHOW DATABASES;



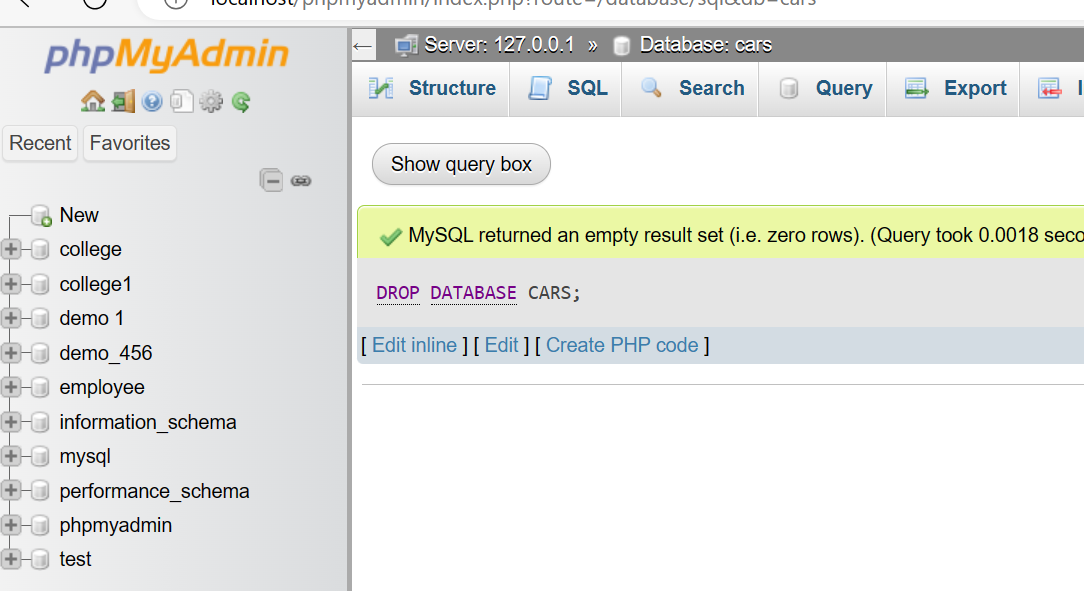
C.Select the CARS database, and list all the tables available in CARS database.

SHOW TABLES;



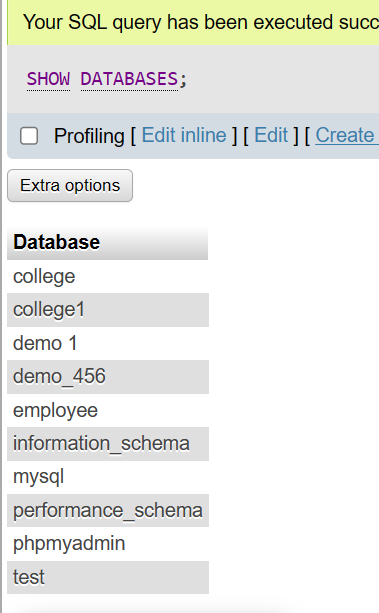
D. Remove CARS database from MySQL

DROP DATABASE CARS;



E. List all the databases available in MySQL

SHOW DATABASES;



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**Q2. Demonstrate Basic RDBMS table operations with MySQL**

1. Create database MOBILE, and create above given PRODUCT table in MOBILE database

CREATE DATABASE MOBILE;

CREATE TABLE PRODUCT

(

PRODUCT\_ID SMALLINT,

PRODUCT\_NAME VARCHAR(20),

MRP TINYINT,

CURRENCY CHAR(10)

);



1. Insert above given sample records in PRODUCT table

INSERT INTO product VALUES('PRD\_1001','Mobile Back Cover','150','INR');

INSERT INTO product VALUES('PRD\_1002', 'Mobile Glass',' 3 ','USD');

INSERT INTO product VALUES('PRD\_1003',' Flip Cover' ,'250' ,'INR');

INSERT INTO product VALUES('PRD\_1004', 'Screencast' ,'500' ,'INR');

INSERT INTO product VALUES('PRD\_1005' ,'Earphones' ,'300' ,'INR');



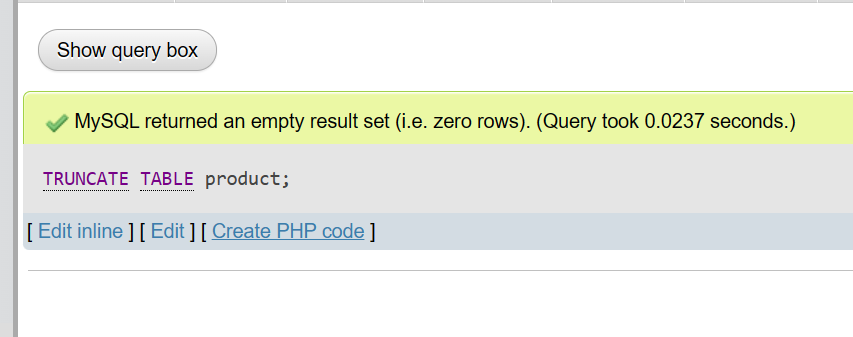
1. Display PRODUCT table structure

DESCRIBE PRODUCT;



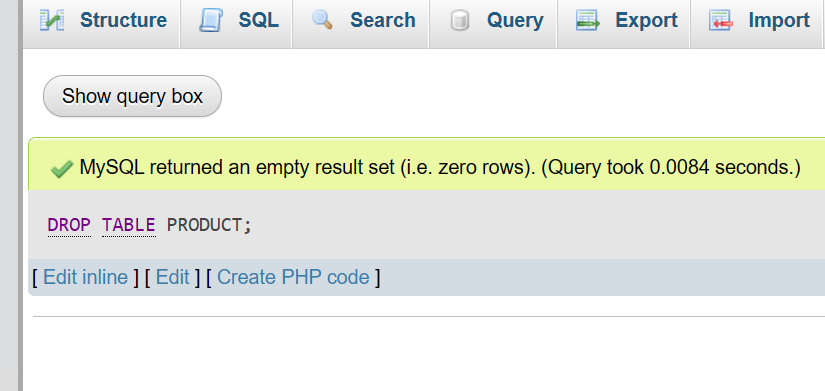
D. Truncate PRODUCT table

TRUNCATE TABLE product;



E.Delete PRODUCT table from MOBILE database

DROP TABLE PRODUCT;



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Q3. Demonstrate NOT NULL, UNIQUE and DEFAULT Constraints in MySQL RDBMS Table

1. USN with UNIQUE constraint

CREATE TABLE students\_exam

(

USN CHARACTER(10) UNIQUE,

NAME VARCHAR(20) NOT NULL,

DOB DATE,

ADDRESS VARCHAR(45),

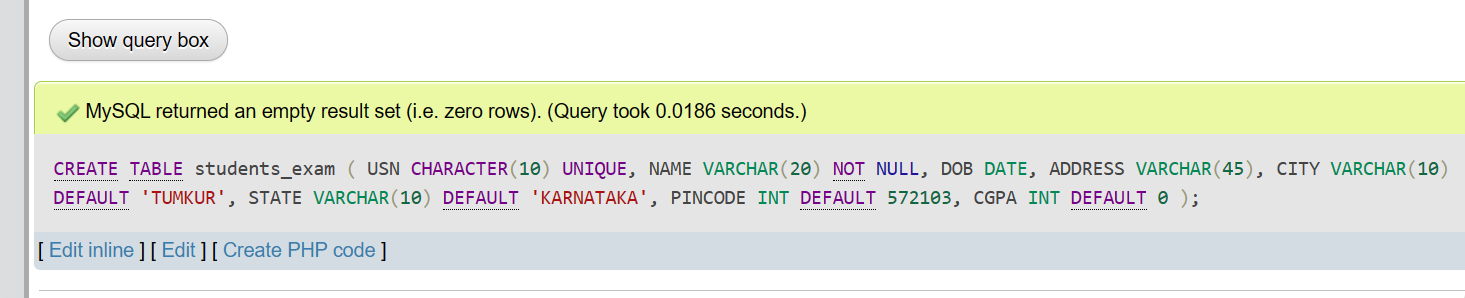
CITY VARCHAR(10) DEFAULT 'TUMKUR',

STATE VARCHAR(10) DEFAULT 'KARNATAKA',

PINCODE INT DEFAULT 572103,

CGPA INT DEFAULT 0

);



B. Insert above records into the students\_exam table

(Note : The error message is expected while inserting records into the table and place same error message as

part of answers for 3rd, 4th & 5th records)

INSERT INTO students\_exam VALUES ('1SI23MBA01', 'AAA', '1995-01-01', 'B H ROAD', 'TUMKUR', 'KARNATAKA', 572103, 8.5);

INSERT INTO students\_exam VALUES ('1SI23MBA02', 'BBB', '1996-01-01', 'BANGALORE', 'BANGALORE', 'KARNATAKA', 560001, 9.5);

INSERT INTO students\_examV VALUES ('1SI23MBA02', 'BBB', '1996-01-01', 'TUMKUR', 'BANGLORE', 'KARNATAKA', 572103, 9.5);

INSERT INTO students\_exam VALUES ('1SI23MBA04', '1999-01-01', 'B H ROAD', 'TUMKUR', 'KARNATAKA', 572106, 8.5);

INSERT INTO students\_exam VALUES ('1SI23MBA05', 'FFF', '1999-01-01', 'B H ROAD','TUMKUR');

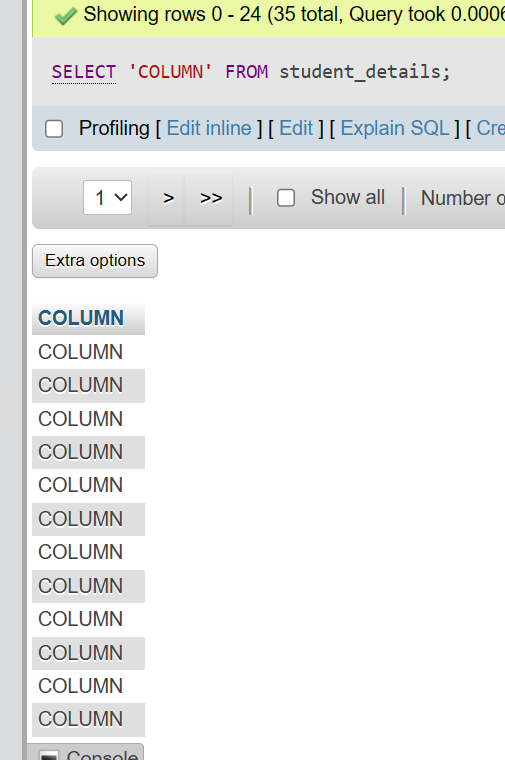


-----------------[3] NOT NULL & DEFAULT constraint queries are not proper.

Q4. Working with SELECT clause in MySQL Table

1. Display single column name from student\_details table

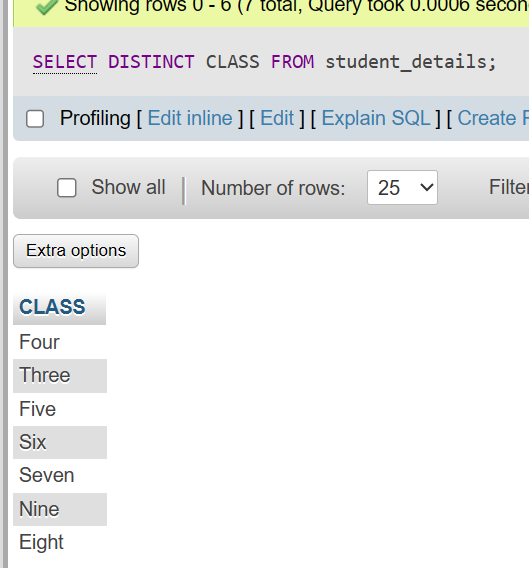
SELECT 'COLUMN' FROM student\_details;



---------------asked to display name column

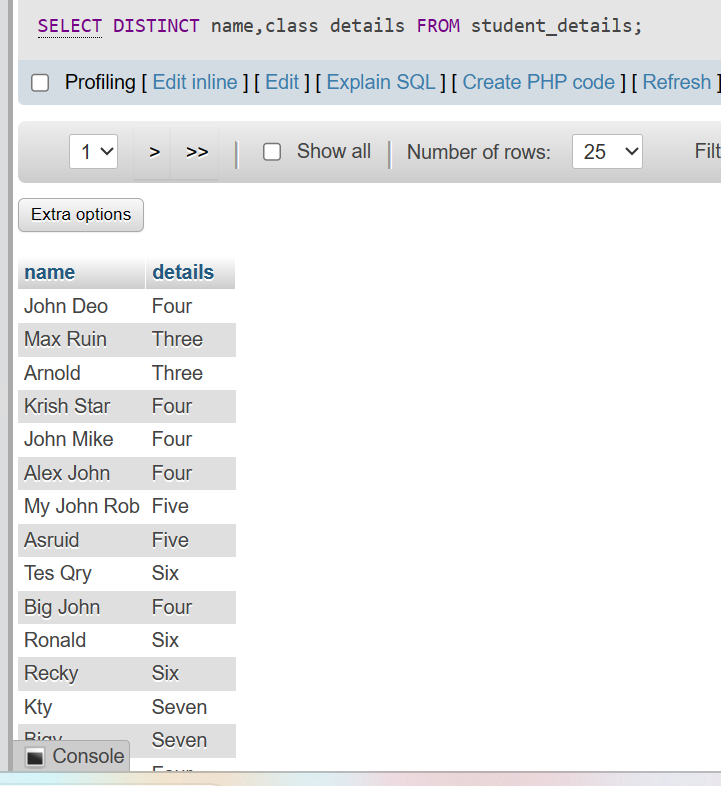
1. Display unique values for class from student\_details

SELECT DISTINCT CLASS FROM student\_details;



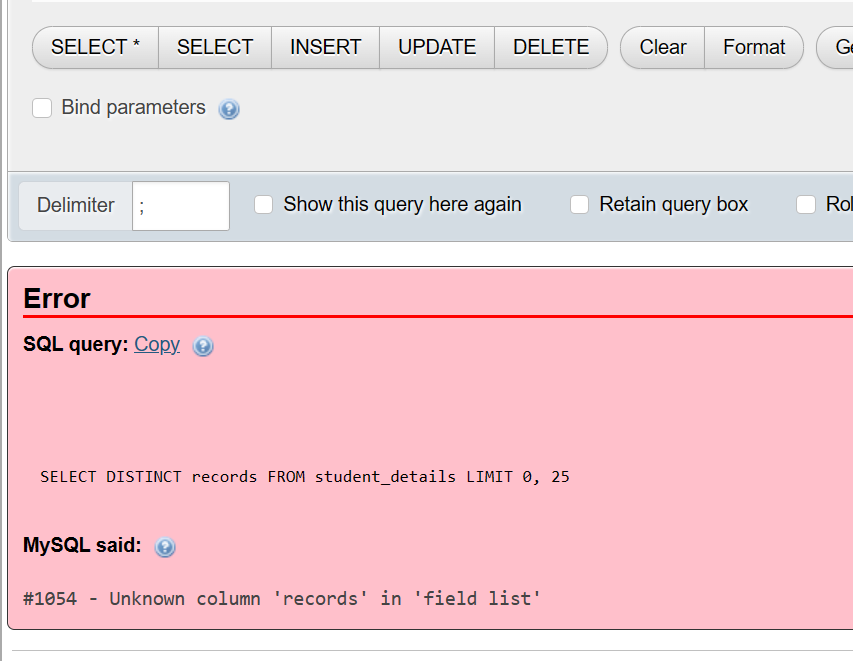
1. Display unique values for name, class details from student\_details table

SELECT DISTINCT name,class details FROM student\_details;



1. Display distinct records from student\_details

SELECT DISTINCT records FROM student\_details;



----not valid