Q1 Check Auto\_increment contraint after creating table.

mysql> ALTER TABLE mca modify column id int unsigned AUTO\_INCREMENT;

Query OK, 5 rows affected (0.06 sec)

Records: 5 Duplicates: 0 Warnings: 0

Q2. Check weather it shows the structure of the table using desc table command

mysql> desc mca;

+------------+--------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+------------+--------------+------+-----+---------+----------------+

| id | int unsigned | NO | PRI | NULL | auto\_increment |

| name | varchar(25) | YES | | NULL | |

| percentage | int | YES | | NULL | |

| city | varchar(25) | YES | | NULL | |

+------------+--------------+------+-----+---------+----------------+

4 rows in set (0.00 sec)

Q3. ER daigram for college management.



As this is a college management database so the main Entities will be :

Faculty, Student , Subject, Courses, Book, Department

All entities have their required attributes

All entities have a relation between diffrent entities using primary key , foreign key relationship. These relation are as follows:

\*Faculty takes Subject has a 1 to many relation beacuse one faculty takes many subjects.

\* Faculty teaches student has a 1 to many relation beacuse one faculty teaches many student.

\* Faculty belongs to department has a many to 1 relation beacuse many faculty belongs to 1 department.

\* Student borrows books has a 1 to many relation beacuse one student can borrows many books.

\* Student enrolls courses has a many to 1 relation beacuse many student can enroll in 1 course

\* Department handles course has a 1 to many relation beacuse one department can handles many courses.