

Database

create a mysql database

```
CREATE DATABASE markentry;
```

create tables

- students
- staffs
- courses
- subjects
- course_groups
- evaluation_scheme
- mark_entry

table description

- students

```
mysql> desc students;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| student_id     | int           | NO   | PRI | NULL    | auto_increment |
| roll_number    | int           | YES  |     | NULL    |                |
| student_name   | varchar(255)  | YES  |     | NULL    |                |
| course_id      | int           | YES  | MUL | NULL    |                |
| group_id       | int           | YES  | MUL | NULL    |                |
| email          | varchar(255)  | YES  |     | NULL    |                |
| password       | varchar(255)  | YES  |     | NULL    |                |
| role           | varchar(50)   | YES  |     | student |                |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.01 sec)
```

- staff

```
mysql> desc staff;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| staff_id       | int           | NO   | PRI | NULL    | auto_increment |
| employee_number | int           | YES  |     | NULL    |                |
| staff_name     | varchar(255)  | YES  |     | NULL    |                |
| email          | varchar(255)  | YES  |     | NULL    |                |
| password       | varchar(255)  | YES  |     | NULL    |                |
| role           | enum('staff','coordinator','admin') | YES  |     | staff   |                |
| course_name    | varchar(255)  | YES  |     | DAC     |                |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.01 sec)
```

- courses

```
mysql> desc courses;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| course_id      | int           | NO   | PRI | NULL    | auto_increment |
| course_name    | varchar(255)  | YES  |     | NULL    |                |
| description    | text          | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

- subjects

```
mysql> desc subjects;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| subject_id     | int           | NO   | PRI | NULL    | auto_increment |
| subject_name   | varchar(255)  | YES  |     | NULL    |                |
| course_id      | int           | YES  | MUL | NULL    |                |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

- course_groups

```
mysql> desc course_groups;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| group_id       | int           | NO   | PRI | NULL    | auto_increment |
| group_name     | varchar(255)  | YES  |     | NULL    |                |
| course_id      | int           | YES  | MUL | NULL    |                |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

- evaluation_scheme

```
mysql> desc evaluationscheme;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| scheme_id      | int           | NO   | PRI | NULL    | auto_increment |
| theory_weightage | int          | YES  |     | NULL    |                |
| lab_weightage  | int           | YES  |     | NULL    |                |
| ia1_weightage  | int           | YES  |     | NULL    |                |
| ia2_weightage  | int           | YES  |     | NULL    |                |
| subject_id     | int           | YES  | MUL | NULL    |                |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.01 sec)
```

- mark_entry

```
mysql> desc markentry;
```

Field	Type	Null	Key	Default	Extra
entry_id	int	NO	PRI	NULL	auto_increment
student_id	int	YES	MUL	NULL	
subject_id	int	YES	MUL	NULL	
group_id	int	YES	MUL	NULL	
course_id	int	YES	MUL	NULL	
staff_id	int	YES	MUL	NULL	
theory	int	YES		NULL	
lab	int	YES		NULL	
IA1	int	YES		NULL	
IA2	int	YES		NULL	
from_date	date	YES		NULL	
till_date	date	YES		NULL	
approved	tinyint(1)	YES		0	

13 rows in set (0.01 sec)
