STUDENT DATABASE:

ER Diagram :
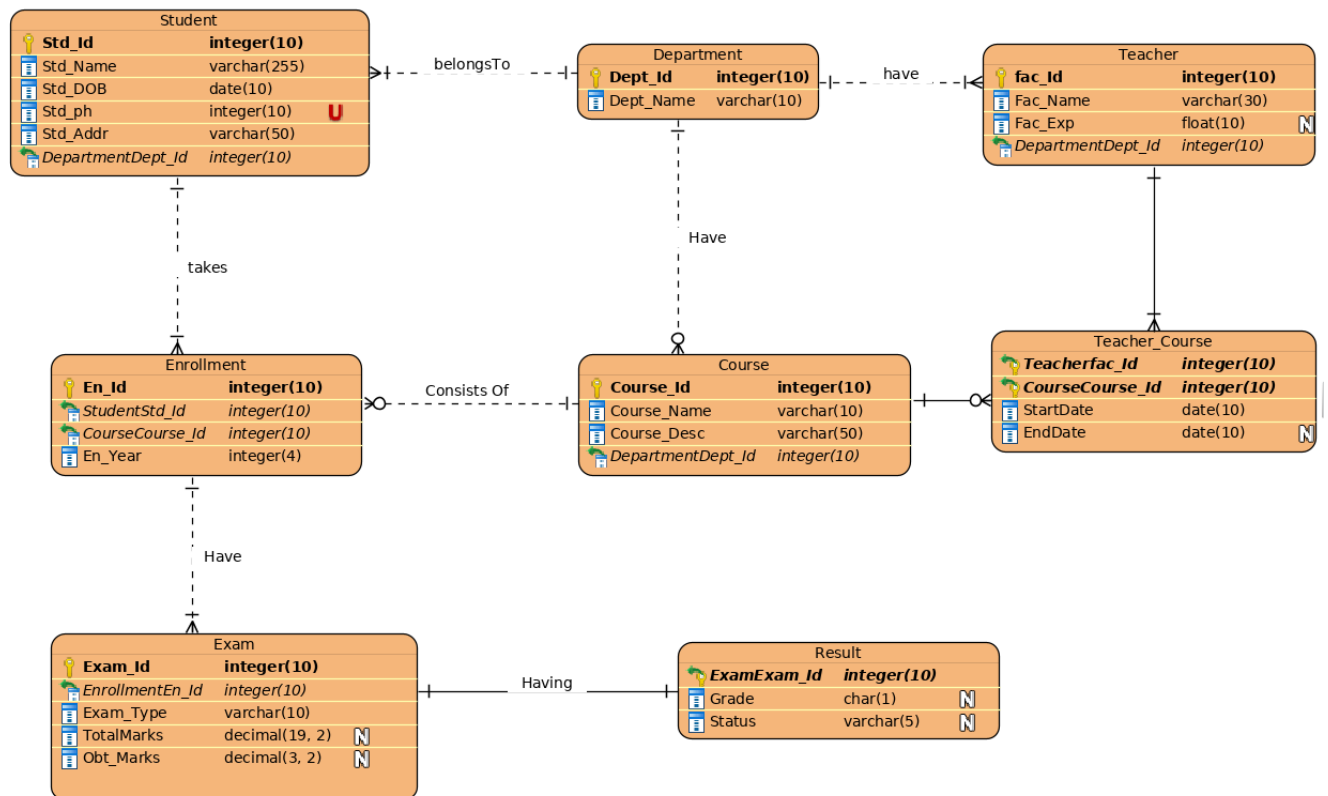
Total No. Of tables : 8

```
mysql> SHOW TABLES;
+-------------------+
| Tables_in_Student |
+-------------------+
| COURSE            |
| DEPARTMENT        |
| ENROLLMENT        |
| EXAM              |
| FACULTY           |
| RESULT            |
| STUDENT           |
| TEACHES           |
+-------------------+
8 rows in set (0.00 sec)
```

1. Student table

```
mysql> show columns from STUDENT;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| Std_Id    | int(10)     | NO   | PRI | NULL    |       |
| Std_Name  | varchar(30) | NO   |     | NULL    |       |
| Std_DOB   | date        | NO   |     | NULL    |       |
| Std_ph    | int(10)     | YES  | UNI | NULL    |       |
| Std_Addr  | varchar(50) | NO   |     | NULL    |       |
| Dept_Id   | int(10)     | NO   | MUL | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
6 rows in set (0.00 sec)
```

2. Course table

```
mysql> show columns from COURSE;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| Course_Id   | int(10)     | NO   | PRI | NULL    |       |
| Course_Name | varchar(10) | NO   |     | NULL    |       |
| Course_Desc | varchar(50) | NO   |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

3. Department table

```
mysql> show columns from DEPARTMENT;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| Dept_Id   | int(10)     | NO   | PRI | NULL    |       |
| Dept_name | varchar(10) | NO   |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

4. faculty table

```
mysql> show columns from FACULTY;
+----------+--------------+------+-----+---------+-------+
| Field    | Type         | Null | Key | Default | Extra |
+----------+--------------+------+-----+---------+-------+
| Fac_Id   | int(10)      | NO   | PRI | NULL    |       |
| Fac_Name | varchar(30)  | NO   |     | NULL    |       |
| Fac_Exp  | decimal(2,2) | YES  |     | NULL    |       |
| Dept_Id  | int(10)      | NO   | MUL | NULL    |       |
+----------+--------------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

5. Enrollment table

```
mysql> show columns from ENROLLMENT;
+-----------+----------+------+-----+---------+-------+
| Field     | Type     | Null | Key | Default | Extra |
+-----------+----------+------+-----+---------+-------+
| Enr_Id    | int(10)  | NO   | PRI | NULL    |       |
| Std_Id    | int(10)  | NO   | MUL | NULL    |       |
| Course_Id | int(10)  | NO   | MUL | NULL    |       |
| Enr_year  | int(4)   | YES  |     | NULL    |       |
+-----------+----------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

6. Teaches table

```
mysql> show columns from TEACHES;
+-----------+----------+------+-----+---------+-------+
| Field     | Type     | Null | Key | Default | Extra |
+-----------+----------+------+-----+---------+-------+
| Fac_Id    | int(10)  | NO   | MUL | NULL    |       |
| Course_Id | int(10)  | NO   | MUL | NULL    |       |
| StartDate | date     | NO   |     | NULL    |       |
| EndDate   | date     | YES  |     | NULL    |       |
+-----------+----------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

7. Exam table

```
mysql> show columns from EXAM;
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| Exam_Id     | int(10)      | NO   | PRI | NULL    |       |
| Exam_type   | varchar(10)  | NO   |     | NULL    |       |
| Total_Marks | int(3)       | YES  |     | NULL    |       |
| Obt_Marks   | decimal(2,2) | YES  |     | NULL    |       |
| Enr_Id      | int(10)      | YES  | MUL | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

8. Result table

```
mysql> show columns from RESULT;
+------------+--------------+------+-----+---------+-------+
| Field      | Type         | Null | Key | Default | Extra |
+------------+--------------+------+-----+---------+-------+
| Exam_Id    | int(10)      | NO   | MUL | NULL    |       |
| Percentage | decimal(4,2) | YES  |     | NULL    |       |
| Status     | varchar(5)   | YES  |     | NULL    |       |
+------------+--------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```