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| **Ex,no 2. DDL Commands with Constraints – PRIMARY, FOREIGN KEY, UNIQUE,CHECK** |
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| 1. Alter the table STUDENT with following structure.  |  |  |  | | --- | --- | --- | | S.No | Column | Constraints | | 1 | RegNo | PRIMARY KEY | | 2 | MobileNo | NotNull |   mysql> alter table student add primary key(reg\_no);  Query OK, 0 rows affected (0.03 sec)  Records: 0 Duplicates: 0 Warnings: 0  mysql> alter table student modify mobile\_no integer(10) not null;  Query OK, 0 rows affected (0.03 sec)  Records: 0 Duplicates: 0 Warnings: 0   1. Alter the table name FACULTY with following structure. The DeptNo in this table refers the DeptNo in the DEPARTMENT table.  |  |  |  | | --- | --- | --- | | S.No | Column | Constraints | | 1 | FacNo | PRIMARY KEY | | 2 | Gender | Check ‘M’ or ‘F’ |   mysql> alter table faculty add primary key(fac\_no);  Query OK, 0 rows affected (0.03 sec)  Records: 0 Duplicates: 0 Warnings: 0  mysql> alter table faculty add check (gender='m' or 'f');  Query OK, 0 rows affected (0.03 sec)  Records: 0 Duplicates: 0 Warnings: 0  mysql> alter table department add primary key(dept\_no);  Query OK, 0 rows affected (0.02 sec)  Records: 0 Duplicates: 0 Warnings: 0  mysql> alter table faculty add foreign key(dept\_no) references department(dept\_no);  Query OK, 0 rows affected (0.05 sec)  Records: 0 Duplicates: 0 Warnings: 0   1. Alter the FACULTY table is successfully created, test if you add a constraint FOREIGN KEY to the DeptNo of this table.   mysql> desc faculty;  +---------------+-------------+------+-----+---------+-------+  | Field | Type | Null | Key | Default | Extra |  +---------------+-------------+------+-----+---------+-------+  | fac\_no | varchar(4) | NO | PRI | | |  | fac\_name | varchar(15) | YES | | NULL | |  | gender | char(1) | YES | | NULL | |  | dob | date | YES | | NULL | |  | doj | date | YES | | NULL | |  | mobile\_number | int(10) | YES | | NULL | |  | dept\_no | varchar(4) | YES | MUL | NULL | |  +---------------+-------------+------+-----+---------+-------+  7 rows in set (0.02 sec)  4)Alter the table name DEPARTMENT with following structure.   |  |  |  | | --- | --- | --- | | S.No | Column | Constraints | | 1 | DeptNo | PRIMARY KEY |   mysql> alter table department add primary key(dept\_no);  Query OK, 0 rows affected (0.02 sec)  Records: 0 Duplicates: 0 Warnings: 0   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |   5. Alter the table name COURSE with following Structure   |  |  |  | | --- | --- | --- | | S.No | Column | Constraints | | 1 | CourseNo | PRIMARY KEY | | 2 | SemNo | 1 to 6 | |

mysql> alter table course add primary key(course\_no);

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table course add check(sem\_no between 1 and 6);

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0