```
MySQL 8.0 Command Line Client                                                                                                    —    □    ✕

mysql> alter table Student add primary key(RegNo);
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc Student;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| Regno    | int         | NO   | PRI | NULL    |       |
| Name     | varchar(15) | YES  |     | NULL    |       |
| Gender   | char(1)     | YES  |     | NULL    |       |
| DOB      | date        | YES  |     | NULL    |       |
| MobileNo | int         | YES  |     | NULL    |       |
| City     | varchar(15) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
6 rows in set (0.00 sec)

mysql> alter table Student add not null(RegNo);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'not null(RegNo)'
at line 1
mysql> alter table Student add MobileNo int(10) not null;
ERROR 1060 (42S21): Duplicate column name 'MobileNo'
mysql> alter table Student add MobileNo int(10) not null;
ERROR 1060 (42S21): Duplicate column name 'MobileNo'
mysql> alter table Student modify MobileNo int(10) not null;
Query OK, 0 rows affected, 1 warning (0.04 sec)
Records: 0  Duplicates: 0  Warnings: 1

mysql> desc Student;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| Regno    | int         | NO   | PRI | NULL    |       |
| Name     | varchar(15) | YES  |     | NULL    |       |
| Gender   | char(1)     | YES  |     | NULL    |       |
| DOB      | date        | YES  |     | NULL    |       |
| MobileNo | int         | NO   |     | NULL    |       |
| City     | varchar(15) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
6 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client                                                                                    —   □   ×

mysql> alter table Faculty add primary key(FacNo);
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc Faculty;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| FacNo    | varchar(4)  | NO   | PRI | NULL    |       |
| FacName  | varchar(15) | YES  |     | NULL    |       |
| Gender   | char(1)     | YES  |     | NULL    |       |
| DOB      | date        | YES  |     | NULL    |       |
| DOJ      | date        | YES  |     | NULL    |       |
| MobileNo | int         | YES  |     | NULL    |       |
| DeptNo   | varchar(4)  | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)

mysql> alter table Faculty modify Gender check(Gender = 'M' or 'F');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'check(Gender = 'M
' or 'F')' at line 1
mysql> commit;
Query OK, 0 rows affected (0.00 sec)

mysql> alter table Faculty add Gender check(Gender = 'M' or 'F');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'check(Gender = 'M
' or 'F')' at line 1
mysql> alter table Faculty add Gender check(Gender = 'm' or 'f');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'check(Gender = 'm
' or 'f')' at line 1
mysql>  alter table Faculty add check(Gender = 'm' or 'f');
Query OK, 0 rows affected (0.04 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc Faculty;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| FacNo    | varchar(4)  | NO   | PRI | NULL    |       |
| FacName  | varchar(15) | YES  |     | NULL    |       |
```

```
mysql> alter table Department add primary key(DeptNo);
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc Department;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| DeptNo   | varchar(4)  | NO   | PRI | NULL    |       |
| DeptName | varchar(15) | YES  |     | NULL    |       |
| DeptHead | varchar(4)  | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql>
```

```
mysql> commit;
Query OK, 0 rows affected (0.00 sec)

mysql> alter table Course add primary key(CourseNo);
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc Course;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| CourseNo   | varchar(3)  | NO   | PRI | NULL    |       |
| CourseDesc | varchar(15) | YES  |     | NULL    |       |
| CourseType | char(1)     | YES  |     | NULL    |       |
| SemNo      | char(1)     | YES  |     | NULL    |       |
| HallNo     | varchar(4)  | YES  |     | NULL    |       |
| FacNo      | varchar(4)  | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
6 rows in set (0.00 sec)

mysql> alter table Course add check(SemNo>=1 && SemNo<=6);
Query OK, 0 rows affected, 1 warning (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 1

mysql> desc Course;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| CourseNo   | varchar(3)  | NO   | PRI | NULL    |       |
| CourseDesc | varchar(15) | YES  |     | NULL    |       |
| CourseType | char(1)     | YES  |     | NULL    |       |
| SemNo      | char(1)     | YES  |     | NULL    |       |
| HallNo     | varchar(4)  | YES  |     | NULL    |       |
| FacNo      | varchar(4)  | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
6 rows in set (0.00 sec)

mysql>
```