Day 1   Experiment – 2

Mysql> alter table student add primary key(RegNo);

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

Mysql> desc student;

+----------+----------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+----------+----------+------+-----+---------+-------+
Regno	int(10)	NO	PRI	0	
Name	char(20)	YES		NULL	
gender	char(1)	YES		NULL	
Dob	int(10)	YES		NULL	
MobileNo	int(10)	YES		NULL	
City	char(10)	YES		NULL	
+----------+----------+------+-----+---------+-------+

Mysql> alter table faculty add primary key(FacNo);

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 | int(10) | NO | PRI | 0 | |
| FacName | char(20) | YES | | NULL | |

| gender | char(1) | YES | | NULL | |

| Dob | int(10) | YES | | NULL | |

| MobileNo | int(10) | YES | | NULL | |

| Doj | int(10) | YES | | NULL | |

| dept | char(10) | YES | | NULL | |

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

Mysql> alter table deparment add primary key(DepNo);

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

Mysql> desc deparment;

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

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

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

| DepNo | int(10) | NO | PRI | 0 | |

| DepName | char(20) | YES | | NULL | |

| DepHead | char(20) | YES | | NULL | |

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

Mysql> alter table course add primary key(courseno);

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

Mysql> alter table course add check(semno>=1&&semno<=6);

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

Mysql> desc course;

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

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

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+------------+----------+------+-----+---------+-------+
| courseno   | int(10)  | NO   | PRI | 0       |       |
| coursedesc | char(20) | YES  |     | NULL    |       |
| coursetype | char(1)  | YES  |     | NULL    |       |
| semno      | int(10)  | YES  |     | NULL    |       |
| hallno     | int(10)  | YES  |     | NULL    |       |
| facno      | int(10)  | YES  |     | NULL    |       |
+------------+----------+------+-----+---------+-------+
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| Gender    | char(1)     | YES  |     | NULL    |       |
| DOB       | date        | YES  |     | NULL    |       |
| MobileNO  | int(10)     | YES  |     | NULL    |       |
| DeptNO    | varchar(15) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
6 rows in set (0.01 sec)

mysql> use student;
Database changed
mysql> ALTER TABLE student ADD PRIMARY KEY(CourseNo);
ERROR 1072 (42000): Key column 'CourseNo' doesn't exist in table
mysql> ALTER TABLE student MODIFY regno int(3) NOT NULL;
Query OK, 0 rows affected (0.04 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> ALTER TABLE student ADD PRIMARY KEY(regno);
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc student;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| regno    | int(3)      | NO   | PRI | NULL    |       |
| name     | varchar(15) | YES  |     | NULL    |       |
| gender   | char(1)     | YES  |     | NULL    |       |
| mobileno | int(10)     | YES  |     | NULL    |       |
| city     | varchar(15) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
5 rows in set (0.01 sec)

mysql>
```