```
mysql> alter table emp ADD CONSTRAINT my_emp_id_pk PRIMARY KEY (emp_id);
Query OK, 0 rows affected (3.31 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc emp;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| emp_id   | int         | NO   | PRI | NULL    |       |
| emp_name | varchar(20) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
2 rows in set (0.42 sec)
```

```
mysql> create table dept(dept_id int(7),dept_name varchar(20));
Query OK, 0 rows affected, 1 warning (2.87 sec)

mysql> alter table dept ADD CONSTRAINT my_dept_id_pk PRIMARY KEY (dept_id);
Query OK, 0 rows affected (6.58 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc dept;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| dept_id   | int         | NO   | PRI | NULL    |       |
| dept_name | varchar(20) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
2 rows in set (0.01 sec)
```

```
mysql> alter table emp add column dept_id int(7);
Query OK, 0 rows affected, 1 warning (3.84 sec)
Records: 0  Duplicates: 0  Warnings: 1

mysql> desc emp;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| emp_id   | int         | NO   | PRI | NULL    |       |
| emp_name | varchar(20) | YES  |     | NULL    |       |
| dept_id  | int         | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.01 sec)

mysql> alter table emp ADD CONSTRAINT my_emp_dept_id_fk FOREIGN KEY (DEPT_ID) REFERENCES DEPT(dept_id);
Query OK, 0 rows affected (5.78 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc emp;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| emp_id   | int         | NO   | PRI | NULL    |       |
| emp_name | varchar(20) | YES  |     | NULL    |       |
| dept_id  | int         | YES  | MUL | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

```
mysql> alter table emp ADD COLUMN COMMISSION DECIMAL(2, 2);
Query OK, 0 rows affected (1.49 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc emp;
+------------+--------------+------+-----+---------+-------+
| Field      | Type         | Null | Key | Default | Extra |
+------------+--------------+------+-----+---------+-------+
| emp_id     | int          | NO   | PRI | NULL    |       |
| emp_name   | varchar(20)  | YES  |     | NULL    |       |
| dept_id    | int          | YES  | MUL | NULL    |       |
| last_name  | varchar(25)  | YES  |     | NULL    |       |
| job_code   | varchar(25)  | YES  |     | NULL    |       |
| hire_date  | date         | YES  |     | NULL    |       |
| COMMISSION | decimal(2,2) | YES  |     | NULL    |       |
+------------+--------------+------+-----+---------+-------+
7 rows in set (0.00 sec)

mysql> alter table emp ADD CONSTRAINT chk_commission_positive CHECK (COMMISSION > 0);
Query OK, 0 rows affected (3.48 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc emp;
+------------+--------------+------+-----+---------+-------+
| Field      | Type         | Null | Key | Default | Extra |
+------------+--------------+------+-----+---------+-------+
| emp_id     | int          | NO   | PRI | NULL    |       |
| emp_name   | varchar(20)  | YES  |     | NULL    |       |
| dept_id    | int          | YES  | MUL | NULL    |       |
| last_name  | varchar(25)  | YES  |     | NULL    |       |
| job_code   | varchar(25)  | YES  |     | NULL    |       |
| hire_date  | date         | YES  |     | NULL    |       |
| COMMISSION | decimal(2,2) | YES  |     | NULL    |       |
+------------+--------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```