mysql> CREATE TABLE DEPARTMENT(DEPTNO varchar(10) PRIMARY KEY, DEPTNAME varchar(20), STAFFNO varchar(10));

mysql> DESC DEPARTMENT;

Field	Туре	 Null	Key	Default	 Extra
DEPTNO DEPTNAME STAFFNO	varchar(10) varchar(20) varchar(10)	NO YES YES	PRI	NULL NULL NULL	

INSERT INTO DEPARTMENT VALUES ('D1', 'S101', 'CS'),('D2', 'S110', 'ECE');

mysql> SELECT* FROM DEPARTMENT;

DEPTNO	DEPTNAME	
D1	S101	CS
D2	S110	ECE

mysql> CREATE TABLE BOOKS(TITLE varchar(25) PRIMARY KEY, AUTHOR
varchar(20));

mysql> DESC BOOKS;

+		Null	Кеу	Default	Extra
TITLE	varchar(25) varchar(20)	NO	PRI		

mysql> INSERT INTO BOOKS VALUES ('DBMS', 'Navathe'), ('C', 'Dennis
Richie');

mysql> SELECT * FROM BOOKS;

TITLE	AUTHOR
C DBMS	Dennis Richie Navathe

mysql> INSERT INTO BOOKS VALUES ('DBMS', 'Kim'); ERROR 1062 (23000): Duplicate entry 'DBMS' for key 'books.PRIMARY' mysql> CREATE TABLE LIBRARY(TITLE varchar(25), AUTHOR varchar(20), NOOFCOPIES int(3), FOREIGN KEY (TITLE) REFERENCES BOOKS(TITLE));

mysql> DESC LIBRARY;

+	+	+		+	+
Field		Null	Key	Default	Extra
TITLE AUTHOR NOOFCOPIES	varchar(25) varchar(20) int	YES YES YES	MUL	NULL NULL NULL	

mysql> INSERT INTO LIBRARY VALUES ('C', 'Dennis Richie', 5),
('DBMS', 'Navathe', 10);

mysql> SELECT* FROM LIBRARY;

TITLE	AUTHOR	NOOFCOPIES
C DBMS	Dennis Richie Navathe	5 10

mysql> ALTER TABLE LIBRARY ADD PRIMARY KEY (TITLE);

mysql> ALTER TABLE LIBRARY ADD PRIMARY KEY (AUTHOR); ERROR 1068 (42000): Multiple primary key defined

mysql> DESC LIBRARY;

TITLE varchar(25) NO PRI NULL AUTHOR varchar(20) YES NULL NOOFCOPIES int YES NULL	-	Field	+	 Null	⊦ Кеу	+ Default	 Extra
		AUTHOR	varchar(20)	YES	PRI	NULL	

mysql> CREATE TABLE ACCOUNT(ACCOUNTNO int(30) PRIMARY KEY, AMOUNT
int(50), CHECK(AMOUNT>=250));

mysql> DESC ACCOUNT;

+ Field			•		
	int	NO YES		NULL NULL	

mysql> INSERT INTO ACCOUNT VALUES(147,1000), (210,5000), (777,100), (623,5001);

ERROR 3819 (HY000): Check constraint 'account_chk_1' is violated.

mysql> INSERT INTO ACCOUNT VALUES(147,1000), (210,5000), (623,5001);

mysql> SELECT * FROM ACCOUNT;

147 1000 210 5000 623 5001	ACCOUNTNO	 AMOUNT
	210	5000

mysql> INSERT INTO ACCOUNT VALUES(320, 100); ERROR 3819 (HY000): Check constraint 'account_chk_1' is violated.

mysql> CREATE TABLE EMPLOYEE(EMPID int(30), NAME varchar(20),
GENDER varchar(10));

mysql> DESC EMPLOYEE;

Field	Type	Null	Key	Default	Extra
EMPID NAME GENDER	int varchar(20) varchar(1)	YES YES YES		NULL NULL NULL	

mysql> INSERT INTO EMPLOYEE VALUES (101, 'ADVAITH', 'M'), (201,
'AKSHAY', 'M'), (301, 'ANNA', 'F'), (305, 'PAI', 'M'), (310,
'CRIS', 'M');

mysql> SELECT * FROM EMPLOYEE;

+	 NAME	GENDER
101 201 301 305 310	ADVAITH AKSHAY ANNA PAI CRIS	M M F M

mysql> CREATE TABLE PAYMENT (PID int PRIMARY KEY, ID int, AMOUNT int, FOREIGN KEY (ID) REFERENCES EMPLOYEE(EMPID) ON DELETE CASCADE ON UPDATE);

mysql> DESC PAYMENT;

Field	+ Type +	 Null 	Key	Default 	 Extra
	int	NO YES YES	:	NULL NULL NULL	 +

mysql> INSERT INTO PAYMENT VALUES (1, 201, 5000), (2, 301, 7000), (3,101,50000), (4,310,25000), (5, 201, 6000);

mysql> SELECT * FROM PAYMENT;

PID	ID	AMOUNT
1	201	5000
2	301	7000
3	101	50000
4	310	25000
5	201	6000

mysql> DELETE FROM EMPLOYEE WHERE EMPID = 201;

mysql> SELECT * FROM EMPLOYEE;

EMPID	+ NAME	++ GENDER
101 301 305 310	ADVAITH ANNA PAI CRIS	M F M

mysql> SELECT * FROM PAYMENT;

PID	ID	AMOUNT
2	301	7000
3	101	50000
4	310	25000

mysql> UPDATE EMPLOYEE SET EMPID = 320 WHERE EMPID = 301;

mysql> SELECT * FROM EMPLOYEE;

EMPID	NAME	GENDER	
101 305 310 320	ADVAITH PAI CRIS ANNA	M	•

4 rows in set (0.00 sec)

mysql> SELECT * FROM PAYMENT;

PID		AMOUNT
2 3	320 101 310	7000 50000 25000