

```
MariaDB [te3174db]> create table Hotel(hotelNo int,hotelName varchar(20),city
varchar(10),Primary key (hotelNo));
Query OK, 0 rows affected (0.04 sec)
```

```
MariaDB [te3174db]> desc Hotel;
```

Field	Type	Null	Key	Default	Extra
hotelNo	int(11)	NO	PRI	0	
hotelName	varchar(20)	YES		NULL	
city	varchar(10)	YES		NULL	

3 rows in set (0.00 sec)

```
MariaDB [te3174db]> create table Room(roomNo int,hotelNo int,roomType
varchar(10),price int,Primary key (roomNo),Foreign key (hotelNo) references
Hotel(hotelNo) on delete cascade);
Query OK, 0 rows affected (0.03 sec)
```

```
MariaDB [te3174db]> desc Room;
```

Field	Type	Null	Key	Default	Extra
roomNo	int(11)	NO	PRI	0	
hotelNo	int(11)	YES	MUL	NULL	
roomType	varchar(10)	YES		NULL	
price	int(11)	YES		NULL	

4 rows in set (0.00 sec)

```
MariaDB [te3174db]> create table Guest(guestNo int,hotelNo int,guestFname
varchar(10),guestSname varchar(10),guestType varchar(10),guestAddress
varchar(50),Primary key (guestNo),Foreign key (hotelNo) references Hotel(hotelNo)
on delete cascade);
Query OK, 0 rows affected (0.05 sec)
```

```
MariaDB [te3174db]> desc Guest;
```

Field	Type	Null	Key	Default	Extra
guestNo	int(11)	NO	PRI	0	
hotelNo	int(11)	YES	MUL	NULL	
guestFname	varchar(10)	YES		NULL	
guestSname	varchar(10)	YES		NULL	
guestType	varchar(10)	YES		NULL	
guestAddress	varchar(50)	YES		NULL	

6 rows in set (0.00 sec)

```
MariaDB [te3174db]> create table Booking(guestNo int,hotelNo int,dateFrom
varchar(10),dateTo varchar(10),roomNo int,Primary key (guestNo),Foreign key
(hotelNo) references Hotel(hotelNo) on delete cascade,Foreign key (guestNo)
references Guest(guestNo) on delete cascade,Foreign key (roomNo) references
Room(roomNo) on delete cascade)
```

```
-> ;
```

```
Query OK, 0 rows affected (0.06 sec)
```

```
MariaDB [te3174db]> desc Booking;
```

Field	Type	Null	Key	Default	Extra
guestNo	int(11)	NO	PRI	0	
hotelNo	int(11)	YES	MUL	NULL	
dateFrom	varchar(10)	YES		NULL	
dateTo	varchar(10)	YES		NULL	
roomNo	int(11)	YES	MUL	NULL	

MariaDB [te3174db]> insert into Hotel values (211,'Le meridian','Pune');
Query OK, 1 row affected (0.02 sec)

MariaDB [te3174db]> insert into Hotel values (252,'Grand','Pune');
Query OK, 1 row affected (0.01 sec)

MariaDB [te3174db]> insert into Hotel values (103,'Taj','mumbai');
Query OK, 1 row affected (0.03 sec)

MariaDB [te3174db]> insert into Hotel values (142,'Oberoy','mumbai');
Query OK, 1 row affected (0.01 sec)

MariaDB [te3174db]> insert into Hotel values (777,'J W Mariot','Delhi');
Query OK, 1 row affected (0.01 sec)

MariaDB [te3174db]> insert into Hotel values (526,'Orchid','Kolkata');
Query OK, 1 row affected (0.01 sec)

MariaDB [te3174db]> insert into Hotel values (389,'Silver oak','Bengaluru');
Query OK, 1 row affected (0.00 sec)

MariaDB [te3174db]> select * from Hotel;

hotelNo	hotelName	city
103	Taj	mumbai
142	Oberoy	mumbai
211	Le meridian	Pune
252	Grand	Pune
389	Silver oak	Bengaluru
526	Orchid	Kolkata
777	J W Mariot	Delhi

MariaDB [te3174db]> insert into Room values (1038,103,'Delux',5000);
Query OK, 1 row affected (0.01 sec)

MariaDB [te3174db]> insert into Room values (1039,103,'Suite',6900);
Query OK, 1 row affected (0.01 sec)

MariaDB [te3174db]> insert into Room values (1422,142,'Delux',4500);
Query OK, 1 row affected (0.02 sec)

MariaDB [te3174db]> insert into Room values (1422,142,'Suite',5000);
ERROR 1062 (23000): Duplicate entry '1422' for key 'PRIMARY'
MariaDB [te3174db]> insert into Room values (1424,142,'Suite',5000);
Query OK, 1 row affected (0.01 sec)

```
MariaDB [te3174db]> insert into Room values (2524,252,'AC',900);
Query OK, 1 row affected (0.01 sec)
```

```
MariaDB [te3174db]> insert into Room values (2525,252,'Non-AC',750);
Query OK, 1 row affected (0.02 sec)
```

```
MariaDB [te3174db]> insert into Room values (2526,252,'Delux',2000);
Query OK, 1 row affected (0.01 sec)
```

```
MariaDB [te3174db]> insert into Room values (2527,252,'Suite',3500);
Query OK, 1 row affected (0.01 sec)
```

```
MariaDB [te3174db]> insert into Room values (7777,777,'Suite',6500);
Query OK, 1 row affected (0.01 sec)
```

```
MariaDB [te3174db]> insert into Room values (7772,777,'Delux',5500);
Query OK, 1 row affected (0.02 sec)
```

```
MariaDB [te3174db]> insert into Room values (2111,211,'AC',950);
Query OK, 1 row affected (0.03 sec)
```

```
MariaDB [te3174db]> insert into Room values (2112,211,'Non-AC',750);
Query OK, 1 row affected (0.01 sec)
```

```
MariaDB [te3174db]> insert into Room values (2114,211,'Delux',1990);
Query OK, 1 row affected (0.01 sec)
```

```
MariaDB [te3174db]> select * from Room;
```

roomNo	hotelNo	roomType	price
1038	103	Delux	5000
1039	103	Suite	6900
1422	142	Delux	4500
1424	142	Suite	5000
2111	211	AC	950
2112	211	Non-AC	750
2114	211	Delux	1990
2524	252	AC	900
2525	252	Non-AC	750
2526	252	Delux	2000
2527	252	Suite	3500
7772	777	Delux	5500
7777	777	Suite	6500

```
13 rows in set (0.01 sec)
```

```
MariaDB [te3174db]> insert into Guest values
(21111,211,'Keyur','S.','M','Swargate,Pune');
Query OK, 1 row affected (0.01 sec)
```

```
MariaDB [te3174db]> insert into Guest values (21142,211,'Jodha','A.','F','42-
road,Agra');
Query OK, 1 row affected (0.02 sec)
```

```
MariaDB [te3174db]> insert into Guest values
(14226,142,'Rajan','K.','M','Shivajinagar,Pune');
Query OK, 1 row affected (0.01 sec)
```

```
MariaDB [te3174db]> insert into Guest values (10397,103,'Umar','L.','M','ring
Road,Nagpur');
Query OK, 1 row affected (0.02 sec)
```

```
MariaDB [te3174db]> insert into Guest values
(77778,777,'Karan','V.','M','vaco,Panji');
Query OK, 1 row affected (0.03 sec)
```

```
MariaDB [te3174db]> select * from Guest;
```

guestNo	hotelNo	guestFname	guestSname	guestType	guestAddress
10397	103	Umar	L.	M	ring Road,Nagpur
14226	142	Rajan	K.	M	Shivajinagar,Pune
21111	211	Keyur	S.	M	Swargate,Pune
21142	211	Jodha	A.	F	42-road,Agra
77778	777	Karan	V.	M	vaco,Panji

```
5 rows in set (0.00 sec)
```

```
MariaDB [te3174db]> insert into Booking values
(10397,103,'16/6/16','18/6/16',1039);
Query OK, 1 row affected (0.02 sec)
```

```
MariaDB [te3174db]> insert into Booking values
(14226,142,'6/6/16','12/6/16',1422);
Query OK, 1 row affected (13.50 sec)
```

```
MariaDB [te3174db]> insert into Booking values
(21111,211,'7/6/16','8/6/16',2111);
Query OK, 1 row affected (0.01 sec)
```

```
MariaDB [te3174db]> insert into Booking values
(21142,211,'25/6/16','28/6/16',2114);
Query OK, 1 row affected (0.03 sec)
```

```
MariaDB [te3174db]> insert into Booking values
(77778,777,'5/6/16','10/6/16',7777);
Query OK, 1 row affected (0.02 sec)
```

```
MariaDB [te3174db]> select * from Booking;
```

guestNo	hotelNo	dateFrom	dateTo	roomNo
10397	103	16/6/16	18/6/16	1039
14226	142	6/6/16	12/6/16	1422
21111	211	7/6/16	8/6/16	2111
21142	211	25/6/16	28/6/16	2114
77778	777	5/6/16	10/6/16	7777

```
5 rows in set (0.00 sec)
```

1. Find the surnames of guests containing 'p' or 's'.

```
MariaDB [te3174db]> select * from Guest where guestSname like "%p%" or
-> guestSname like "%S%";
```

guestNo	hotelNo	guestFname	guestSname	guestType	guestAddress
21111	211	Keyur	S.	M	Swargate, Pune

1 row in set (0.00 sec)

2. Find the details of room having price between 3000 and 4000.

```
MariaDB [te3174db]> select * from Room where price between 3000 and 4000;
```

roomNo	hotelNo	roomType	price
1422	142	Delux	3990
2527	252	Suite	3500

2 rows in set (0.01 sec)

3. List the name and addresses of all guests living in pune ordered by name

```
MariaDB [te3174db]> select guestFname, guestSname, guestAddress from Guest where
guestAddress like "%Pune%" order by guestFname;
```

guestFname	guestSname	guestAddress
Keyur	S.	Swargate, Pune
Rajan	K.	Shivajinagar, Pune

2 rows in set (0.00 sec)

4. Delete customer details living in hotel Lemeridian

```
MariaDB [te3174db]> select * from Guest;
```

guestNo	hotelNo	guestFname	guestSname	guestType	guestAddress
10397	103	Umar	L.	M	ring Road, Nagpur
14226	142	Rajan	K.	M	Shivajinagar, Pune
21111	211	Keyur	S.	M	Swargate, Pune
21142	211	Jodha	A.	F	42-road, Agra
77778	777	Karan	V.	M	vaco, Panji

5 rows in set (0.00 sec)

```
MariaDB [te3174db]> select * from Booking;
```

guestNo	hotelNo	dateFrom	dateTo	roomNo
10397	103	16/6/16	18/6/16	1039
14226	142	6/6/16	12/6/16	1422
21111	211	7/6/16	8/6/16	2111
21142	211	25/6/16	28/6/16	2114
77778	777	5/6/16	10/6/16	7777

5 rows in set (0.00 sec)

```
MariaDB [te3174db]> delete from Guest where hotelNo = 211;
Query OK, 2 rows affected (0.02 sec)
```

```
MariaDB [te3174db]> select * from Guest;
```

```
+-----+-----+-----+-----+-----+-----+
| guestNo | hotelNo | guestFname | guestSname | guestType | guestAddress |
+-----+-----+-----+-----+-----+-----+
| 10397 | 103 | Umar | L. | M | ring Road,Nagpur |
| 14226 | 142 | Rajan | K. | M | Shivajinagar,Pune |
| 77778 | 777 | Karan | V. | M | vaco,Panji |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
MariaDB [te3174db]> select * from Booking;
```

```
+-----+-----+-----+-----+-----+
| guestNo | hotelNo | dateFrom | dateTo | roomNo |
+-----+-----+-----+-----+-----+
| 10397 | 103 | 16/6/16 | 18/6/16 | 1039 |
| 14226 | 142 | 6/6/16 | 12/6/16 | 1422 |
| 77778 | 777 | 5/6/16 | 10/6/16 | 7777 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

5. List all room types ie. AC, NON-AC etc.

```
MariaDB [te3174db]> select distinct roomType from Room;
```

```
+-----+
| roomType |
+-----+
| Delux |
| Suite |
| AC |
| Non-AC |
+-----+
4 rows in set (0.00 sec)
```

6. Reduce the price of all rooms in hotel grand by 5%.

```
MariaDB [te3174db]> select * from Hotel;
```

```
+-----+-----+-----+
| hotelNo | hotelName | city |
+-----+-----+-----+
| 103 | Taj | mumbai |
| 142 | Oberoy | mumbai |
| 211 | Le meridian | Pune |
| 252 | Grand | Pune |
| 389 | Silver oak | Bengaluru |
| 526 | Orchid | Kolkata |
| 777 | J W Mariot | Delhi |
+-----+-----+-----+
7 rows in set (0.01 sec)
```

```
MariaDB [te3174db]> select * from Room;
```

```
+-----+-----+-----+-----+
| roomNo | hotelNo | roomType | price |
+-----+-----+-----+-----+
| 1038 | 103 | Delux | 5000 |
| 1039 | 103 | Suite | 6900 |
| 1422 | 142 | Delux | 3990 |
+-----+-----+-----+-----+
```

1424	142	Suite	5000
2111	211	AC	950
2112	211	Non-AC	750
2114	211	Delux	1990
2524	252	AC	900
2525	252	Non-AC	750
2526	252	Delux	2000
2527	252	Suite	3500
7772	777	Delux	5500
7777	777	Suite	6500

13 rows in set (0.00 sec)

```
MariaDB [te3174db]> update Room set price=price-(5/100)*price where
hotelNo=252;Query OK, 4 rows affected (0.01 sec)
Rows matched: 4  Changed: 4  Warnings: 0
```

```
MariaDB [te3174db]> select * from Room;
```

roomNo	hotelNo	roomType	price
1038	103	Delux	5000
1039	103	Suite	6900
1422	142	Delux	3990
1424	142	Suite	5000
2111	211	AC	950
2112	211	Non-AC	750
2114	211	Delux	1990
2524	252	AC	855
2525	252	Non-AC	713
2526	252	Delux	1900
2527	252	Suite	3325
7772	777	Delux	5500
7777	777	Suite	6500

13 rows in set (0.00 sec)

7. create stored procedure to calculate total number of booking of a particular hotel.

```
MariaDB [te3174db]> delimiter //
MariaDB [te3174db]> create procedure getcount(in h_id int)
-> begin
-> select count(hotelNo) from Booking where hotelNo=h_id;
-> end;
-> //
Query OK, 0 rows affected (0.00 sec)
MariaDB [te3174db]> call getcount(103) //
```

count(hotelNo)
1

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)