

PERSON

create database Insurance;

use Insurance;

create table Insurance.person(driver_id varchar(10),name varchar(10),address varchar(10),primary key(driver_id));

desc Insurance.person;

insert into Insurance.person values('&driver_id','&name','&address');

insert into Insurance.person values('A01','MSD','Bangalore');

insert into Insurance.person values('A02','VK','CHENNAI');

insert into Insurance.person values('A03','RS','KERALA');

insert into Insurance.person values('A04','SR','UP');

insert into Insurance.person values('A05','KP','ENG');

commit;

select * from Insurance.person;

The screenshot shows the MySQL Workbench interface with the following components:

- Navigator:** Shows the database structure with 'Insurance' as the selected database.
- SQL Editor:** Contains the following SQL script:

```
3 create table Insurance.person(driver_id varchar(10),name varchar(10),address varchar(10),primary key(driver_id));
4 desc Insurance.person;
5 insert into Insurance.person values('&driver_id','&name','&address');
6 insert into Insurance.person values('A01','MSD','Bangalore');
7 insert into Insurance.person values('A02','VK','CHENNAI');
8 insert into Insurance.person values('A03','RS','KERALA');
9 insert into Insurance.person values('A04','SR','UP');
10 insert into Insurance.person values('A05','KP','ENG');
11 commit;
12 select * from Insurance.person;
```
- Result Grid:** Displays the output of the 'select * from Insurance.person;' query as a table with 3 columns: driver_id, name, and address. The data rows are:

driver_id	name	address
A01	MSD	BANGALORE
A02	VK	CHENNAI
A03	RS	KERALA
A04	SR	UP
A05	KP	ENG
- Action Output:** Shows the execution log with timestamps and messages for each query step, including 'insert into Insurance.person' and 'select * from Insurance.person'.

CAR :

```
create table Insurance.car(regno varchar(10),model varchar(10),year int,primary key(regno));
```

```
desc Insurance.car;
```

```
insert into Insurance.car values('&reg_num','&model','1');
```

```
insert into Insurance.car values('KA031181','Lancer', 1957);
```

```
insert into Insurance.car values('KA095477','TOYOTA', 1998);
```

```
insert into Insurance.car values('KA052250','INDICA', 1990);
```

```
insert into Insurance.car values('KA053408','HONDA', 2008);
```

```
insert into Insurance.car values('KA041702','AUDI', 2005);
```

```
commit;
```

```
select * from Insurance.car;
```

The screenshot displays the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' section with options like Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, and Data Import/Restore. Below this is the 'INSTANCE' section with Startup / Shutdown, Server Logs, and Options File. The 'PERFORMANCE' section includes Dashboard, Performance Reports, and Performance Schema Setup. The main editor window shows a SQL script with the following queries:

```
25 • DELETE FROM Insurance.car WHERE regno='KA031181';
26 • DELETE FROM Insurance.car WHERE regno='KA052223';
27 • DELETE FROM Insurance.car WHERE regno='KA052233';
28 • DELETE FROM Insurance.car WHERE regno='KA052245';
29 • DELETE FROM Insurance.car WHERE regno='KA052211';
30
31 • select * from Insurance.car;
32 • create table Insurance.accident(report_number int,accident_date date,location varchar(15),primary key(report_number));
33 • desc Insurance.accident;
34 • insert into Insurance.accident values('11', STR_TO_DATE('01-01-2003', '%m-%d-%Y'), 'MysoreRoad');
```

The 'Result Grid' shows the output of the 'select * from Insurance.car;' query:

regno	model	year
KA031181	Lancer	1957
KA041702	AUDI	2005
KA052250	INDICA	1990
KA053408	HONDA	2008
KA095477	TOYOTA	1998

The bottom panel shows the 'Output' tab with a table of actions and their results:

#	Time	Action	Message	Duration / Fetch
35	07:59:10	select * from Insurance.person LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
36	07:59:20	insert into Insurance.participated values(A04, 'KA031181', '14', '3000')	1 row(s) affected	0.015 sec
37	07:59:25	insert into Insurance.participated values(A05, 'KA041702', '15', 5000)	1 row(s) affected	0.000 sec
38	07:59:29	select * from Insurance.person LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
39	10:55:55	select * from Insurance.person LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
40	11:01:12	select * from Insurance.car LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

ACCIDENT

```
create table Insurance.accident(report_number int,accident_date date,location varchar(15),primary key(report_number));
```

```
desc Insurance.accident;
```

```
insert into Insurance.accident values('11', STR_TO_DATE('01-01-2003', '%m-%d-%Y'),'MysoreRoad');
```

```
insert into Insurance.accident values('12', STR_TO_DATE('02-02-2004', '%m-%d-%Y'),'Southend');
```

```
insert into Insurance.accident values('13', STR_TO_DATE('06-01-2003', '%m-%d-%Y'),'Bulltemple');
```

```
insert into Insurance.accident values('14', STR_TO_DATE('05-02-2008', '%m-%d-%Y'),'Mysore');
```

```
insert into Insurance.accident values('15', STR_TO_DATE('04-03-2005', '%m-%d-%Y'),'Kanakpura');
```

```
commit;
```

```
select * from Insurance.accident;
```

The screenshot displays the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' and 'PERFORMANCE' tabs. The 'MANAGEMENT' tab is active, showing a tree view of the database structure. The 'PERFORMANCE' tab is also visible, showing a 'Dashboard' and 'Performance Reports' section.

The main window shows a SQL editor with the following queries:

```
34 insert into Insurance.accident values('11', STR_TO_DATE('01-01-2003', '%m-%d-%Y'),'MysoreRoad');
35 insert into Insurance.accident values('12', STR_TO_DATE('02-02-2004', '%m-%d-%Y'),'Southend');
36 insert into Insurance.accident values('13', STR_TO_DATE('06-01-2003', '%m-%d-%Y'),'Bulltemple');
37 insert into Insurance.accident values('14', STR_TO_DATE('05-02-2008', '%m-%d-%Y'),'Mysore');
38 insert into Insurance.accident values('15', STR_TO_DATE('04-03-2005', '%m-%d-%Y'),'Kanakpura');
39 commit;
40 DELETE FROM Insurance.accident WHERE report_number='1';
41
42 select * from Insurance.accident;
43 create table Insurance.owns(driver_id varchar(10),regno varchar(10),primary key(driver_id,regno),foreign key(driver_id) references person(driver_id));
```

The 'Result Grid' shows the results of the 'select * from Insurance.accident;' query:

report_number	accid_date	location
11	2019-06-01	BRIGADE
12	2004-02-02	Southend
13	2003-06-01	Bulltemple
14	2008-05-02	Mysore
15	2005-04-03	Kanakpura

The 'Output' pane at the bottom shows the execution log:

#	Time	Action	Message	Duration / Fetch
36	07:59:20	insert into Insurance.participated values('A04', 'KA031181', '14', '3000')	1 row(s) affected	0.015 sec
37	07:59:25	insert into Insurance.participated values('A05', 'KA041702', '15', '5000')	1 row(s) affected	0.000 sec
38	07:59:29	select * from Insurance.participated LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
39	10:55:55	select * from Insurance.person LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
40	11:01:12	select * from Insurance.car LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
41	11:03:17	select * from Insurance.accident LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

OWNS

```
create table Insurance.owns(driver_id varchar(10),regno varchar(10),primary
key(driver_id,regno),foreign key(driver_id) references person(driver_id),foreign key(regno)
references car(regno));
```

```
desc Insurance.owns;
```

```
insert into Insurance.owns values ('&driver_id','&reg_num');
```

```
insert into Insurance.owns values ('A01','KA052250');
```

```
insert into Insurance.owns values ('A02','KA053408');
```

```
insert into Insurance.owns values ('A04','KA031181');
```

```
insert into Insurance.owns values ('A03','KA095477');
```

```
insert into Insurance.owns values ('A05','KA041702');
```

```
commit;
```

```
select * from Insurance.owns;
```

The screenshot displays the MySQL Workbench interface. The SQL editor contains the following SQL statements:

```
43 * create table Insurance.owns(driver_id varchar(10),regno varchar(10),primary key(driver_id,regno),foreign key(driver_id) references person(driver_id),foreign key(regno) references car(regno));
44 * desc Insurance.owns;
45 * insert into Insurance.owns values ('&driver_id','&reg_num');
46 * insert into Insurance.owns values ('A01','KA052250');
47 * insert into Insurance.owns values ('A02','KA053408');
48 * insert into Insurance.owns values ('A04','KA031181');
49 * insert into Insurance.owns values ('A03','KA095477');
50 * insert into Insurance.owns values ('A05','KA041702');
51 * commit;
52 * select * from Insurance.owns;
```

The left sidebar shows the 'MANAGEMENT' and 'INSTANCE' sections. The 'PERFORMANCE' section is also visible. The 'Result Grid' shows the output of the SQL statements:

driver_id	regno
A04	KA031181
A05	KA041702
A01	KA052250
A02	KA053408
A03	KA095477

The 'Output' section shows the execution details of the SQL statements:

#	Time	Action	Message	Duration / Fetch
37	07:59:25	Insert into Insurance.owns values('A05','KA041702','15:5000')	1 row(s) affected	0.000 sec
38	07:59:29	select * from Insurance.owns LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
39	10:55:55	select * from Insurance.person LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
40	11:01:12	select * from Insurance.car LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
41	11:03:17	select * from Insurance.owns LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
42	11:05:03	select * from Insurance.owns LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

PARTICIPANTS

```
create table Insurance.participated(driver_id varchar(10),regno varchar(10),report_number
int,damage_amount int,primary key(driver_id,regno,report_number),foreign key(driver_id)
references person(driver_id),foreign key(regno) references car(regno),foreign key(report_number)
references accident(report_number));
```

```
desc Insurance.participated;
```

```
insert into Insurance.participated values('A01','KA052250',11,10000);
```

```
insert into Insurance.participated values('A02','KA053408',12,50000);
```

```
insert into Insurance.participated values('A03' , 'KA095477' , '13' , '25000');
```

```
insert into Insurance.participated values('A04', 'KA031181', '14', '3000');
```

```
insert into Insurance.participated values('A05', 'KA041702', '15',5000);
```

```
select * from Insurance.participated;
```

The screenshot displays the MySQL Workbench interface. The SQL editor contains the following queries:

```
7 • insert into Insurance.person values('A02','VC','CHENNAI');
8 • insert into Insurance.person values('A03','RS','KERALA');
9 • insert into Insurance.person values('A04','SR','UP');
10 • insert into Insurance.person values('A05','KP','ENG');
11 • commit;
12 • select * from Insurance.person;
13
14
15 • create table Insurance.car(regno varchar(10),model varchar(10),year int,primary key(regno));
16 • desc Insurance.car;
```

The Results grid shows the output of the SELECT query, displaying 5 rows of data:

driver_id	regno	report_number	damage_amount
A01	KA052250	11	10000
A02	KA053408	12	50000
A03	KA095477	13	25000
A04	KA031181	14	3000
A05	KA041702	15	5000

The Output tab shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
33	07:58:49	Insert into Insurance participated values('A02','KA053408',12,50000)	1 row(s) affected	0.000 sec
34	07:58:53	Insert into Insurance participated values('A03' , 'KA095477' , '13' , '25000')	1 row(s) affected	0.032 sec
35	07:59:10	select * from Insurance participated LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
36	07:59:20	Insert into Insurance participated values('A04', 'KA031181', '14', '3000')	1 row(s) affected	0.015 sec
37	07:59:25	Insert into Insurance participated values('A05', 'KA041702', '15',5000)	1 row(s) affected	0.000 sec
38	07:59:29	select * from Insurance participated LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

```
/* 3a */
```

```
update Insurance.participated
```

```
set damage_amount=25000
```

```
where report_number=12 and regno='A02';
```

```
/* 3b */
```

```
insert into Insurance.accident values('16', '2007-03-21','MysoreRoad');
```

```
insert into Insurance.participated values('A05', 'KA041702','16','5000');
```

The screenshot displays the MySQL Workbench interface. The left sidebar contains navigation panels for 'MANAGEMENT', 'INSTANCE', and 'PERFORMANCE'. The main editor window shows a series of SQL queries. The 'Result Grid' at the bottom displays the output of the queries, showing columns: driver_id, regno, report_number, and damage_amount. The 'Output' panel at the bottom right shows the execution log with timestamps and messages for each query.

SQL Queries:

```
54 create table Insurance.participated(driver_id varchar(10),regno varchar(10),report_number int,damage_amount int,primary key(driver_id,regno,report_number));
55 desc Insurance.participated;
56 insert into Insurance.participated values('A01','KA052250','11','10000');
57 insert into Insurance.participated values('A02','KA053408','12','50000');
58 insert into Insurance.participated values('A03','KA095477','13','25000');
59 insert into Insurance.participated values('A04','KA031181','14','3000');
60 insert into Insurance.participated values('A05','KA041702','15','5000');
61 select * from Insurance.participated;
```

Result Grid:

driver_id	regno	report_number	damage_amount
A01	KA052250	11	10000
A02	KA053408	12	50000
A03	KA095477	13	25000
A04	KA031181	14	3000
A05	KA041702	15	5000
A05	KA041702	16	5000

Output Log:

#	Time	Action	Message	Duration / Fetch
4	11:01:42	update Insurance.participated set damage_amount=25000 where report_number=12 and regno='A02'	0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0	0.000 sec
5	11:02:09	select * from Insurance.participated LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
6	11:02:20	update Insurance.participated set damage_amount=25000 where report_number=12 and regno='A02'	0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0	0.000 sec
7	11:02:22	update Insurance.participated set damage_amount=25000 where report_number=12 and regno='A02'	0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0	0.000 sec
8	11:03:40	update Insurance.participated set damage_amount=25000 where report_number=12 and regno='A02'	0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0	0.000 sec
9	11:03:58	insert into Insurance.accident values('16', '2007-03-21','MysoreRoad')	Error Code: 1062. Duplicate entry '16' for key 'accident.PRIMARY'	0.016 sec
10	11:04:23	select * from Insurance.participated LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

/*4*/

select count(distinct o.driver_id) as People from Insurance.owns o,Insurance.participated p,Insurance.accident a where a.accd_date like

'2008%' and o.regno=p.regno and p.report_number=a.report_number;

The screenshot displays the MySQL Workbench interface for a local instance of MySQL 8.0. The main window shows a SQL editor with the following query:

```
65 • update Insurance.participated
66 • set damage_amount='25000'
67 • where report_number='12' and regno='A02';
68 • select * from Insurance.participated;
69
70 /* 3b */
71 • insert into Insurance.accident values('16', '2007-03-21','MysoreRoad');
72 • insert into Insurance.participated values('A05', 'KA041702','16','5000');
73 /*4*/
74 • select count(distinct o.driver_id) as People from Insurance.owns o,Insurance.participated p,Insurance.accident a where a.accd_date like
75 • '2008%' and o.regno=p.regno and p.report_number=a.report_number;
```

The query is executed, and the results are shown in the 'Result Grid' tab. The first result is a single row with the value '1' under the column 'People'.

The 'Output' tab shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
5	11:02:09	select * from Insurance.participated LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
6	11:02:20	update Insurance.participated set damage_amount=25000 where report_number=12 and regno=A02	0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0	0.000 sec
7	11:02:22	update Insurance.participated set damage_amount=25000 where report_number=12 and regno=A02	0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0	0.000 sec
8	11:03:40	update Insurance.participated set damage_amount=25000 where report_number=12 and regno=A02	0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0	0.000 sec
9	11:03:58	insert into Insurance.accident values('16', '2007-03-21','MysoreRoad')	Error Code: 1062. Duplicate entry '16' for key 'accident PRIMARY'	0.016 sec
10	11:04:23	select * from Insurance.participated LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
11	11:04:50	select count(distinct o.driver_id) as People from Insurance.owns o,Insurance.participated p,Insurance.accident a where a.accd_date like '2008%' and o.regno=p.regno and p.report_number=a.report_number;	1 row(s) returned	0.000 sec / 0.000 sec

/*5*/

use Insurance;

select count(*) as Totalcars from car c,participated p where c.regno=p.regno and c.model='TOYOTA';

The screenshot displays the MySQL Workbench interface. The main window shows a SQL query editor with the following code:

```
68 select * from Insurance.participated;
69
70 /* 3b */
71 insert into Insurance.accident values('16', '2007-03-21','MysoreRoad');
72 insert into Insurance.participated values('A05', 'KAB41702','16','5000');
73 /*4*/
74 select count(distinct o.driver_id) as People from Insurance.owns o,Insurance.participated p,Insurance.accident a where a.accd_date like
75 '2000%' and o.regno=p.regno and p.report_number=a.report_number;
76 /*5*/
77 use Insurance;
78 select count(*) as Totalcars from car c,participated p where c.regno=p.regno and c.model='TOYOTA';
```

The query results are displayed in the 'Result Grid' tab, showing a single row with the value '1' for 'Totalcars'.

The 'Output' tab shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
8	11:03:40	update Insurance.participated set damage_amount=25000 where report_number=12 and regno=A02	0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0	0.000 sec
9	11:03:58	insert into Insurance.accident values('16', '2007-03-21','MysoreRoad')	Error Code: 1062. Duplicate entry '16' for key 'accident.PRIMARY'	0.016 sec
10	11:04:23	select * from Insurance.participated LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
11	11:04:50	select count(distinct o.driver_id) as People from Insurance.owns o,Insurance.participated p,Insurance.accident	1 row(s) returned	0.000 sec / 0.000 sec
12	11:05:02	select count(*) as Totalcars from car c,participated p where c.regno=p.regno and c.model='TOYOTA' LIMIT 0, ...	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name in the SC...	0.000 sec
13	11:05:10	use Insurance	0 row(s) affected	0.000 sec
14	11:05:10	select count(*) as Totalcars from car c,participated p where c.regno=p.regno and c.model='TOYOTA' LIMIT 0, ...	1 row(s) returned	0.000 sec / 0.000 sec