



DATABASE MANAGEMENT SYSTEM PROJECT – REPORT
TOPIC: *Wanderlust – Travel Management*



TEAM DETAILS

- | | |
|-----------------|---------------|
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LIST OF SIMPLE QUERIES :

SQL COMMANDS AND THEIR CORRESPONDING SCREENSHOTS :

- 1) SELECT THE BUS NUMBERS WHERE THE ROUTENAME HAS BANGALORE.

```
SELECT BUSNO FROM BUS WHERE ROUTENAME LIKE '%BLR%';
```

OUTPUT :

The screenshot shows the results of a SQL query run against the 'travel.BUS' table. The query is:

```
1 SELECT BUSNO FROM BUS WHERE ROUTENAME LIKE '%BLR%';
```

The results are displayed in a table with columns: BUSNO, BODYNO, and ROUTENAME. The data shown is:

BUSNO	BODYNO	ROUTENAME
AZ51MX2091		
KA51MX2050		
KA51MX2051		
KA51MX2072		
KA51MX7002		

Below the table, there are buttons for 'Edit', 'Copy', and 'Delete' for each row. There are also global buttons for 'Check all', 'Edit', 'Copy', 'Delete', and 'Export'. The interface includes standard navigation and search controls at the top and bottom.

- 2) SELECT PASSENGER NAMES THAT BEGIN WITH 'S'

```
SELECT PNAME FROM PASSENGER WHERE PNAME LIKE 'S%';
```

The screenshot shows the results of a SQL query run against the 'travel.PASSENGER' table. The query is:

```
1 SELECT PNAME FROM PASSENGER WHERE PNAME LIKE 'S%';
```

The results are displayed in a table with a single column: PNAME. The data shown is:

PNAME
S

Below the table, there are buttons for 'Edit', 'Copy', and 'Delete' for each row. There are also global buttons for 'Check all', 'Edit', 'Copy', 'Delete', and 'Export'. The interface includes standard navigation and search controls at the top and bottom.

+ Options			
PNAME			
<input type="checkbox"/>		Edit	

Check all With selected: Edit Copy Delete Export

3) SELECT DEPTNAME WHERE OWNERNO > 1200.

```
SELECT DEPTNAME FROM GOVERNMENT WHERE OWNERNO>1200;
```

1	SELECT DEPTNAME FROM GOVERNMENT WHERE OWNERNO>1200;
+ Options	
DEPTNAME	
<input type="checkbox"/>	

Check all With selected: Edit Copy Delete Export

4) SELECT OWNER NUMBER , OWNER NAME , MOBILE NUMBER AND BUS NUMBER WHERE ADDRESS='HARYANA'

```
SELECT OWNERNO,OWNERNAME,MOBILENO,BUSNO FROM OWNER WHERE
ADDRESS='HARYANA';
```

Run SQL query/queries on table travel.OWNER: [?](#)

```
1 SELECT OWNERNO, OWNERNAME, MOBILENO, BUSNO WHERE ADDRESS='HARYANA';
```

OWNERNO	OWNERNAME	ADDRESS	MOBILENO	BUSNO

SELECT * SELECT INSERT UPDATE DELETE Clear Format Get auto-saved query <<

+ Options

	OWNERNO	OWNERNAME	MOBILENO	BUSNO
<input type="checkbox"/>	Edit	Copy	Delete	1902 JOHN 852364978 HR51MX6054
<input type="checkbox"/>	Edit	Copy	Delete	2776 EVE 789456321 HR51MX9060
<input type="checkbox"/>	Edit	Copy	Delete	4097 RAJU 957631846 HR51MX3050

Check all With selected:

Show all | Number of rows: 25

 Search this table:
 Sort by key: None

5) COUNT THE NUMBER OF AGENTS

```
SELECT COUNT(*) AS COUNT_AGENT FROM AGENT ;
```

Run SQL query/queries on table travel.AGENT: [?](#)

```
1 SELECT COUNT(*) AS COUNT_AGENT FROM AGENT ;|
```

ANAME	AADDRESS	ANO

[SELECT COUNT\(*\) AS COUNT_AGENT FROM AGENT;](#)

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

↳ Options

COUNT_AGENT

14

Query results operations

Print Copy to clipboard Export Display chart Create view

LIST OF COMPLEX QUERIES

- 1) FIND THE OWNER OF THE BUS FOR THE GIVEN ROUTENAME.

```
SELECT OWNERNO, OWNERNAME, ROUTENAME FROM OWNER,BUS WHERE
OWNER.BUSNO=BUS.BUSNO;
```

The screenshot shows a database query execution window. The query entered is:

```
1 | SELECT OWNERNO, OWNERNAME, ROUTENAME FROM OWNER,BUS WHERE OWNER.BUSNO=BUS.BUSNO;
```

The results pane displays the following table:

OWNERNO	OWNERNAME	ROUTENAME
1002	AMY	BLR-MLR
1003	ADAM	BLR-CHN
1004	SAKSHI	BLR-UDP
1005	ANUSHKA	BLR-UDP
1006	VIRAT	BLR-UDP
1234	BHEEM	DVG-PTN
1345	BOB	BKN-DEL
1902	JOHN	PNP-DEL
1938	OSWALD	ARZ-LVS
2776	EVE	GGN-UK
4097	RAJU	KLN-KUK
6792	BILL	BLR-UDP
9998	RAJESH	BLR-RAJ

+ Options

OWNERNO	OWNERNAME	ROUTENAME
1002	AMY	BLR-MLR
1003	ADAM	BLR-CHN
1004	SAKSHI	BLR-UDP
1005	ANUSHKA	BLR-UDP
1006	VIRAT	BLR-UDP
1234	BHEEM	DVG-PTN
1345	BOB	BKN-DEL
1902	JOHN	PNP-DEL
1938	OSWALD	ARZ-LVS
2776	EVE	GGN-UK
4097	RAJU	KLN-KUK
6792	BILL	BLR-UDP
9998	RAJESH	BLR-RAJ

2) INNER JOIN FOR PASSENGER AND BUS

```
SELECT *
FROM PASSENGER
INNER JOIN BUS ON BUS.BUSNO=PASSENGER.BUSNO
ORDER BY PNAME DESC;
```

```
SELECT * FROM PASSENGER INNER JOIN BUS ON BUS.BUSNO=PASSENGER.BUSNO ORDER BY PNAME DESC;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all

Number of rows:

25 ▾

Filter rows:

Search this table

Sort by key:

None ▾

+ Options

PNO	PNAME	MOBILENO	ADDRESS	BUSNO	BUSNO	BODYNO	ROUTENAME
PES3	SHARMILA	865497132	BAGLUR	KA51MX2072	KA51MX2072	B104	BLR-MLR
PES16	SANJANA	957456186	MUMBAI	KA51MX2050	KA51MX2050	B100	BLR-CHN
PES7	SAGAR	965874321	ARIZONA	HR51MX6054	HR51MX6054	B107	PNP-DEL
PES8	SACHIN	965812321	GURGAON	AZ51MX2090	AZ51MX2090	B105	ARZ-LVS
PES12	Rudraksh	909049776	SYMPHONY	AZ51MX2091	AZ51MX2091	B110	BLR-RAJ
PES13	ROHIT	957631846	PUNE	KA51MX2053	KA51MX2053	B111	BLR-MUM
PES17	RIZWAN	907456186	MUMBAI	KA51MX2053	KA51MX2053	B111	BLR-MUM
PES1	RITIK	90908976	SYMPHONY	KA51MX2050	KA51MX2050	B100	BLR-CHN
PES5	RISHAB	957631846	PANIPAT	HR51MX9060	HR51MX9060	B108	GGN-UK
PES4	PRIYANSH	965487231	DEVGARH	HR51MX3050	HR51MX3050	B106	KLN-KUK
PES2	PRIYA	965874321	BIKANER	RJ51MX2054	RJ51MX2054	B102	BKN-DEL
PES9	PARTH	965874319	BANGALORE	JH51MX2060	JH51MX2060	B103	DVG-PTN
PES11	LAVISHA	909089786	PRESTIGE	AZ51MX2091	AZ51MX2091	B110	BLR-RAJ
PES6	KAPIL	654987123	KARNAL	KA51MX7002	KA51MX7002	B109	BLR-GOA
PES10	CHARAN	654987129	DOMICILE	KA51MX2051	KA51MX2051	B101	BLR-UDP
PES14	CHAHAL	957456186	BANGALORE	KA51MX2050	KA51MX2050	B100	BLR-CHN
PES15	BUMRAH	957256186	MUMBAI	KA51MX2053	KA51MX2053	B111	BLR-MUM

Show all

Number of rows:

25 ▾

Filter rows:

Search this table

Sort by key:

None ▾

3) UNION OF THE PASSENGER NAME AND OWNER NAME

```
SELECT PNAME AS NAME FROM PASSENGER UNION ( SELECT OWNERNAME AS NAME  
FROM OWNER) ORDER BY NAME DESC;
```

+ Options	
NAME	▼ 1
VIRAT	
SHARMILA	
SANJANA	
SAKSHI	
SAGAR	
SACHIN	
Rudraksh	
ROHIT	
RIZWAN	
RITIK	
RISHAB	
RAJU	
RAJESH	
PRIYANSH	
PRIYA	
PARTH	
OSWALD	
LAVISHA	
KAPIL	
JOHN	
EVE	
CHARAN	
CHAHAL	
BUMRAH	
BOB	

4) LEFT JOIN OF GOVERNMENT AND OWNER

```
SELECT * FROM GOVERNMENT LEFT JOIN OWNER ON GOVERNMENT.OWNERNO;
```

Showing rows 0 - 116 (117 total, Query took 0.0009 seconds.)

```
SELECT * FROM GOVERNMENT LEFT JOIN OWNER ON GOVERNMENT.OWNERNO;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: All ▾ Filter rows: Search this table Sort by key: None ▾

DEPTNAME	OWNERNO	TAXNO	OWNERNO	OWNERNAME	ADDRESS	MOBILENO	BUSNO
HRRTC	1902	06-379-25545	1002	AMY	MARATHALLI	965487231	KA51MX2072
HRRTC	2776	06-765-18565	1002	AMY	MARATHALLI	965487231	KA51MX2072
DTC	1345	07-852-74139	1002	AMY	MARATHALLI	965487231	KA51MX2072
RJRTC	1938	08-654-75396	1002	AMY	MARATHALLI	965487231	KA51MX2072
JHRTC	1234	27-694-74125	1002	AMY	MARATHALLI	965487231	KA51MX2072
KKRTC-4343	1002	29-852-12345	1002	AMY	MARATHALLI	965487231	KA51MX2072
TNSRTC-4716	1003	33-741-95135	1002	AMY	MARATHALLI	965487231	KA51MX2072
BMTC-6422	6792	51-125-18525	1002	AMY	MARATHALLI	965487231	KA51MX2072
HRRTC	4097	51-852-32165	1002	AMY	MARATHALLI	965487231	KA51MX2072
HRRTC	1902	06-379-25545	1003	ADAM	CHENNAI	852369745	KA51MX2050
HRRTC	2776	06-765-18565	1003	ADAM	CHENNAI	852369745	KA51MX2050
DTC	1345	07-852-74139	1003	ADAM	CHENNAI	852369745	KA51MX2050
RJRTC	1938	08-654-75396	1003	ADAM	CHENNAI	852369745	KA51MX2050
JHRTC	1234	27-694-74125	1003	ADAM	CHENNAI	852369745	KA51MX2050
KKRTC-4343	1002	29-852-12345	1003	ADAM	CHENNAI	852369745	KA51MX2050
TNSRTC-4716	1003	33-741-95135	1003	ADAM	CHENNAI	852369745	KA51MX2050
BMTC-6422	6792	51-125-18525	1003	ADAM	CHENNAI	852369745	KA51MX2050
HRRTC	4097	51-852-32165	1003	ADAM	CHENNAI	852369745	KA51MX2050
HRRTC	1902	06-379-25545	1004	SAKSHI	BTM	909083128	KA51MX2051
HRRTC	2776	06-765-18565	1004	SAKSHI	BTM	909083128	KA51MX2051
DTC	1345	07-852-74139	1004	SAKSHI	BTM	909083128	KA51MX2051

DTC	1345	07-852-74139	1004	SAKSHI	BTM	909083128	KA51MX2051
RJRTC	1938	08-654-75396	1004	SAKSHI	BTM	909083128	KA51MX2051
JHRTC	1234	27-694-74125	1004	SAKSHI	BTM	909083128	KA51MX2051
KKRTC-4343	1002	29-852-12345	1004	SAKSHI	BTM	909083128	KA51MX2051
TNSRTC-4716	1003	33-741-95135	1004	SAKSHI	BTM	909083128	KA51MX2051
BMTC-6422	6792	51-125-18525	1004	SAKSHI	BTM	909083128	KA51MX2051
HRRTC	4097	51-852-32165	1004	SAKSHI	BTM	909083128	KA51MX2051
HRRTC	1902	06-379-25545	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
HRRTC	2776	06-765-18565	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
DTC	1345	07-852-74139	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
RJRTC	1938	08-654-75396	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
JHRTC	1234	27-694-74125	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
KKRTC-4343	1002	29-852-12345	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
TNSRTC-4716	1003	33-741-95135	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
BMTC-6422	6792	51-125-18525	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
HRRTC	4097	51-852-32165	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
DTC	1345	07-852-74139	1006	VIRAT	BANDRA	967083128	KA51MX2051
HRRTC	1902	06-379-25545	1006	VIRAT	BANDRA	967083128	KA51MX2051
HRRTC	2776	06-765-18565	1006	VIRAT	BANDRA	967083128	KA51MX2051
DTC	1345	07-852-74139	1006	VIRAT	BANDRA	967083128	KA51MX2051
RJRTC	1938	08-654-75396	1006	VIRAT	BANDRA	967083128	KA51MX2051
JHRTC	1234	27-694-74125	1006	VIRAT	BANDRA	967083128	KA51MX2051
KKRTC-4343	1002	29-852-12345	1006	VIRAT	BANDRA	967083128	KA51MX2051
TNSRTC-4716	1003	33-741-95135	1006	VIRAT	BANDRA	967083128	KA51MX2051
BMTC-6422	6792	51-125-18525	1006	VIRAT	BANDRA	967083128	KA51MX2051
HRRTC	4097	51-852-32165	1006	VIRAT	BANDRA	967083128	KA51MX2051
HRRTC	1902	06-379-25545	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
HRRTC	2776	06-765-18565	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
DTC	1345	07-852-74139	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
RJRTC	1938	08-654-75396	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
JHRTC	1234	27-694-74125	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
KKRTC-4343	1002	29-852-12345	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
TNSRTC-4716	1003	33-741-95135	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
BMTC-6422	6792	51-125-18525	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
HRRTC	4097	51-852-32165	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
HRRTC	1902	06-379-25545	1345	BOB	DELHI	965874321	RJ51MX2054
HRRTC	2776	06-765-18565	1345	BOB	DELHI	965874321	RJ51MX2054
DTC	1345	07-852-74139	1345	BOB	DELHI	965874321	RJ51MX2054
RJRTC	1938	08-654-75396	1345	BOB	DELHI	965874321	RJ51MX2054
JHRTC	1234	27-694-74125	1345	BOB	DELHI	965874321	RJ51MX2054
KKRTC-4343	1002	29-852-12345	1345	BOB	DELHI	965874321	RJ51MX2054
TNSRTC-4716	1003	33-741-95135	1345	BOB	DELHI	965874321	RJ51MX2054
BMTC-6422	6792	51-125-18525	1345	BOB	DELHI	965874321	RJ51MX2054
HRRTC	4097	51-852-32165	1345	BOB	DELHI	965874321	RJ51MX2054
HRRTC	1902	06-379-25545	1902	JOHN	HARYANA	852364978	HR51MX6054
HRRTC	2776	06-765-18565	1902	JOHN	HARYANA	852364978	HR51MX6054
DTC	1345	07-852-74139	1902	JOHN	HARYANA	852364978	HR51MX6054
RJRTC	1938	08-654-75396	1902	JOHN	HARYANA	852364978	HR51MX6054
JHRTC	1234	27-694-74125	1902	JOHN	HARYANA	852364978	HR51MX6054
KKRTC-4343	1002	29-852-12345	1902	JOHN	HARYANA	852364978	HR51MX6054
TNSRTC-4716	1003	33-741-95135	1902	JOHN	HARYANA	852364978	HR51MX6054
BMTC-6422	6792	51-125-18525	1902	JOHN	HARYANA	852364978	HR51MX6054
HRRTC	4097	51-852-32165	1902	JOHN	HARYANA	852364978	HR51MX6054
HRRTC	1902	06-379-25545	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
HRRTC	2776	06-765-18565	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
DTC	1345	07-852-74139	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
RJRTC	1938	08-654-75396	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
JHRTC	1234	27-694-74125	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
KKRTC-4343	1002	29-852-12345	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
TNSRTC-4716	1003	33-741-95135	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
BMTC-6422	6792	51-125-18525	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
HRRTC	4097	51-852-32165	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
HRRTC	1902	06-379-25545	2776	EVE	HARYANA	789456321	HR51MX9060
HRRTC	2776	06-765-18565	2776	EVE	HARYANA	789456321	HR51MX9060
DTC	1345	07-852-74139	2776	EVE	HARYANA	789456321	HR51MX9060
RJRTC	1938	08-654-75396	2776	EVE	HARYANA	789456321	HR51MX9060
JHRTC	1234	27-694-74125	2776	EVE	HARYANA	789456321	HR51MX9060
KKRTC-4343	1002	29-852-12345	2776	EVE	HARYANA	789456321	HR51MX9060
TNSRTC-4716	1003	33-741-95135	2776	EVE	HARYANA	789456321	HR51MX9060
BMTC-6422	6792	51-125-18525	2776	EVE	HARYANA	789456321	HR51MX9060
HRRTC	4097	51-852-32165	2776	EVE	HARYANA	789456321	HR51MX9060
HRRTC	1902	06-379-25545	4097	RAJU	HARYANA	957631846	HR51MX3050
HRRTC	2776	06-765-18565	4097	RAJU	HARYANA	957631846	HR51MX3050
DTC	1345	07-852-74139	4097	RAJU	HARYANA	957631846	HR51MX3050
RJRTC	1938	08-654-75396	4097	RAJU	HARYANA	957631846	HR51MX3050
JHRTC	1234	27-694-74125	4097	RAJU	HARYANA	957631846	HR51MX3050
KKRTC-4343	1002	29-852-12345	4097	RAJU	HARYANA	957631846	HR51MX3050
TNSRTC-4716	1003	33-741-95135	4097	RAJU	HARYANA	957631846	HR51MX3050
BMTC-6422	6792	51-125-18525	4097	RAJU	HARYANA	957631846	HR51MX3050
HRRTC	4097	51-852-32165	4097	RAJU	HARYANA	957631846	HR51MX3050
HRRTC	1902	06-379-25545	4997	BILL	JAYNAGAR	865497132	KA51MX2051
HRRTC	2776	06-765-18565	4997	BILL	JAYNAGAR	865497132	KA51MX2051
DTC	1345	07-852-74139	4997	BILL	JAYNAGAR	865497132	KA51MX2051
RJRTC	1938	08-654-75396	4997	BILL	JAYNAGAR	865497132	KA51MX2051
JHRTC	1234	27-694-74125	4997	BILL	JAYNAGAR	865497132	KA51MX2051
KKRTC-4343	1002	29-852-12345	4997	BILL	JAYNAGAR	865497132	KA51MX2051
TNSRTC-4716	1003	33-741-95135	4997	BILL	JAYNAGAR	865497132	KA51MX2051
BMTC-6422	6792	51-125-18525	4997	BILL	JAYNAGAR	865497132	KA51MX2051
HRRTC	4097	51-852-32165	4997	BILL	JAYNAGAR	865497132	KA51MX2051
HRRTC	1902	06-379-25545	9998	RAJESH	MARENHALLI	909083128	AZ51MX2091
HRRTC	2776	06-765-18565	9998	RAJESH	MARENHALLI	909083128	AZ51MX2091
DTC	1345	07-852-74139	9998	RAJESH	MARENHALLI	909083128	AZ51MX2091
RJRTC	1938	08-654-75396	9998	RAJESH	MARENHALLI	909083128	AZ51MX2091
JHRTC	1234	27-694-74125	9998	RAJESH	MARENHALLI	909083128	AZ51MX2091
KKRTC-4343	1002	29-852-12345	9998	RAJESH	MARENHALLI	909083128	AZ51MX2091
TNSRTC-4716	1003	33-741-95135	9998	RAJESH	MARENHALLI	909083128	AZ51MX2091
BMTC-6422	6792	51-125-18525	9998	RAJESH	MARENHALLI	909083128	AZ51MX2091
HRRTC	4097	51-852-32165	9998	RAJESH	MARENHALLI	909083128	AZ51MX2091

5) SELECT COMMON NAMES OF AGENTS AND PASSENGERS

```
SELECT PNAME AS NAME FROM PASSENGER INTERSECT ( SELECT ANAME AS NAME  
FROM AGENT ) ORDER BY NAME DESC;
```

Showing rows 0 - 2 (3 total, Query took 0.0024 seconds.)

```
SELECT PNAME AS NAME FROM PASSENGER INTERSECT ( SELECT ANAME AS NAME FROM AGENT ) ORDER BY NAME DESC;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 ▾ Filter rows: Search this table Sort by key: None ▾

+ Options

NAME	1
SANJANA	
RITIK	
PRIYANSH	

NESTED QUERIES :

- 1) SELECT OWNER NAMES WHERE THE OWNER BELONGS TO THE HRRTC DEPARTMENT OF THE GOVERNMENT.

```
SELECT OWNERNAME,BUSNO FROM OWNER WHERE OWNERNO IN( SELECT OWNERNO FROM GOVERNMENT WHERE DEPTNAME='HRRTC' );
```

Showing rows 0 - 2 (3 total, Query took 0.0049 seconds.)

```
SELECT OWNERNAME,BUSNO FROM OWNER WHERE OWNERNO IN( SELECT OWNERNO FROM GOVERNMENT WHERE DEPTNAME='HRRTC' );
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	OWNERNAME	BUSNO
<input type="checkbox"/>	JOHN	HR51MX6054
<input type="checkbox"/>	EVE	HR51MX9060
<input type="checkbox"/>	RAJU	HR51MX3050

Check all With selected: Edit Copy Delete Export

- 2) SELECT OWNER DETAILS FOR THOSE BUSES WHICH HAVE PASSENGERS.

```
SELECT * FROM OWNER WHERE BUSNO IN ( SELECT BUS.BUSNO FROM BUS,PASSENGER WHERE BUS.BUSNO=PASSENGER.BUSNO );
```

SELECT * FROM OWNER WHERE BUSNO IN (SELECT BUS.BUSNO FROM BUS,PASSENGER WHERE BUS.BUSNO=PASSENGER.BUSNO);

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	OWNERNO	OWNERNAME	ADDRESS	MOBILENO	BUSNO
<input type="checkbox"/>	1002	AMY	MARATHALLI	965487231	KA51MX2072
<input type="checkbox"/>	1003	ADAM	CHENNAI	852369745	KA51MX2050
<input type="checkbox"/>	1004	SAKSHI	BTM	909083128	KA51MX2051
<input type="checkbox"/>	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
<input type="checkbox"/>	1006	VIRAT	BANDRA	967083128	KA51MX2051
<input type="checkbox"/>	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
<input type="checkbox"/>	1345	BOB	DELHI	965874321	RJ51MX2054
<input type="checkbox"/>	1902	JOHN	HARYANA	852364978	HR51MX6054
<input type="checkbox"/>	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
<input type="checkbox"/>	2776	EVE	HARYANA	789456321	HR51MX9060
<input type="checkbox"/>	4097	RAJU	HARYANA	957631846	HR51MX3050
<input type="checkbox"/>	6792	BILL	JAYNAGAR	865497132	KA51MX2051
<input type="checkbox"/>	9998	RAJESH	MARENHALLI	909083128	AZ51MX2091

3) COUNT THE NUMBER OF OWNERS FOR THE BUSES WHICH HAVE PASSENGERS.

```
SELECT COUNT(OWNERNO) AS COUNT_OWNER FROM OWNER WHERE BUSNO IN ( SELECT
BUS.BUSNO FROM BUS,PASSENGER WHERE BUS.BUSNO=PASSENGER.BUSNO);
```

The screenshot shows a MySQL query results page. The query is:

```
SELECT COUNT(OWNERNO) AS COUNT_OWNER FROM OWNER WHERE BUSNO IN ( SELECT BUS.BUSNO FROM BUS,PASSENGER WHERE BUS.BUSNO=PASSENGER.BUSNO);
```

The results table has one row:

COUNT_OWNER
13

Below the table are standard query operations buttons: Print, Copy to clipboard, Export, Display chart, Create view.

4) COUNT THE NUMBER OF BUSES WHERE THE OWNER BELONGS TO THE HRRTC DEPARTMENT OF THE GOVERNMENT.

```
SELECT COUNT(BUSNO) FROM OWNER WHERE OWNERNO IN( SELECT OWNERNO FROM
GOVERNMENT WHERE DEPTNAME='HRRTC' );
```

The screenshot shows a MySQL query results page. The query is:

```
SELECT COUNT(BUSNO) FROM OWNER WHERE OWNERNO IN( SELECT OWNERNO FROM GOVERNMENT WHERE DEPTNAME='HRRTC' );
```

The results table has one row:

COUNT(BUSNO)
3

5) DISPLAY THE BUS DETAILS WHICH DO NOT HAVE PASSENGERS.

```
SELECT BUSNO,ROUTENAME FROM BUS WHERE BUSNO NOT IN( SELECT
PASSENGER.BUSNO FROM PASSENGER);
```

The screenshot shows a MySQL query results page. The query is:

```
SELECT BUSNO,ROUTENAME FROM BUS WHERE BUSNO NOT IN( SELECT PASSENGER.BUSNO FROM PASSENGER);
```

The results table shows three rows of bus details:

BUSNO	ROUTENAME
AZ51MX2095	DEL-MUM
KA51MX2056	MLR-MUM
KA51MX6709	DEL-JK

Below the table are standard table operations buttons: Show all, Number of rows (set to 25), Filter rows, Search this table, Sort by key (set to None).

MULTIPLE USERS AND PRIVILEGES:

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0007 seconds.)

```
CREATE USER 'Priya24' IDENTIFIED BY 'Priya' PASSWORD EXPIRE;
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0011 seconds.)

```
CREATE USER 'sharmila'@'localhost' IDENTIFIED BY 'sharmi';
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0009 seconds.)

```
CREATE USER 'Ritik' PASSWORD EXPIRE NEVER;
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0012 seconds.)

```
CREATE USER 'prithvi'@'localhost' REQUIRE SUBJECT '/C=SE/ST=Bangalore/L=Bangalore/ O=MySQL demo client certificate/ CN=client/emailAddress=prithvi@example.com' AND ISSUER '/C=SE/ST=Vellore/L=Vellore/ O=MySQL/CN=CA/emailAddress=ca@example.com' AND CIPHER 'EDH-RSA-DES-CBC3-SHA';
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0101 seconds.)

```
GRANT SELECT (PNAME), UPDATE (PNAME) ON PASSENGER TO Ritik;
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0018 seconds.)

```
GRANT UPDATE ON BUS TO Priya24;
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0007 seconds.)

```
GRANT INSERT ON AGENT TO prithvi@localhost;
```

[Edit inline] [Edit] [Create PHP code]

TRANSACTIONS :

1)

```
START TRANSACTION;
SELECT * FROM PASSENGER;
INSERT INTO PASSENGER
VALUES('PES16', 'SANJANA', 957456186, 'MUMBAI', 'KA51MX2050');
SELECT * FROM PASSENGER;
SAVEPOINT MY_SAVE;
INSERT INTO PASSENGER
VALUES('PES17', 'RIZWAN', 907456186, 'MUMBAI', 'KA51MX2053');
ROLLBACK TO SAVEPOINT MY_SAVE;
SELECT * FROM PASSENGER;
COMMIT;
```

+ Options					
	PNO	PNAME	MOBILENO	ADDRESS	BUSNO
<input type="checkbox"/> Edit Copy Delete	PES1	RITIK	90908976	SYMPHONY	KA51MX2050
<input type="checkbox"/> Edit Copy Delete	PES10	CHARAN	654987129	DOMICILE	KA51MX2051
<input type="checkbox"/> Edit Copy Delete	PES11	LAVISHA	909089786	PRESTIGE	AZ51MX2091
<input type="checkbox"/> Edit Copy Delete	PES12	Rudraksh	909049776	SYMPHONY	AZ51MX2091
<input type="checkbox"/> Edit Copy Delete	PES13	ROHIT	957631846	PUNE	KA51MX2053
<input type="checkbox"/> Edit Copy Delete	PES14	CHAHAL	957456186	BANGALORE	KA51MX2050
<input type="checkbox"/> Edit Copy Delete	PES15	BUMRAH	957256186	MUMBAI	KA51MX2053
<input type="checkbox"/> Edit Copy Delete	PES2	PRIYA	965874321	BIKANER	RJ51MX2054
<input type="checkbox"/> Edit Copy Delete	PES3	SHARMILA	865497132	BAGLUR	KA51MX2072
<input type="checkbox"/> Edit Copy Delete	PES4	PRIYANSH	965487231	DEVGARH	HR51MX3050
<input type="checkbox"/> Edit Copy Delete	PES5	RISHAB	957631846	PANIPAT	HR51MX9060
<input type="checkbox"/> Edit Copy Delete	PES6	KAPIL	654987123	KARNAL	KA51MX7002
<input type="checkbox"/> Edit Copy Delete	PES7	SAGAR	965874321	ARIZONA	HR51MX6054
<input type="checkbox"/> Edit Copy Delete	PES8	SACHIN	965812321	GURGAON	AZ51MX2090
<input type="checkbox"/> Edit Copy Delete	PES9	PARTH	965874319	BANGALORE	JH51MX2060

Check all With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Show all | Number of rows: 25 Filter rows: Sort by key: None

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

```
SAVEPOINT MY_SAVE;
```

[[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)]

✓ 1 row inserted. (Query took 0.0019 seconds.)

```
INSERT INTO PASSENGER VALUES('PES17', 'RIZWAN', 907456186, 'MUMBAI', 'KA51MX2053');
```

[[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0008 seconds.)

```
ROLLBACK TO SAVEPOINT MY_SAVE;
```

[[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)]

✓ Showing rows 0 - 15 (16 total, Query took 0.0023 seconds.)

```
SELECT * FROM PASSENGER;
```

Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

Show all | Number of rows: 25 Filter rows: Sort by key: None

Console

+ Options

	PNO	PNAME	MOBILENO	ADDRESS	BUSNO
<input type="checkbox"/>	Edit Copy Delete PES1	RITIK	90908976	SYMPHONY	KA51MX2050
<input type="checkbox"/>	Edit Copy Delete PES10	CHARAN	654987129	DOMICILE	KA51MX2051
<input type="checkbox"/>	Edit Copy Delete PES11	LAVISHA	909089786	PRESTIGE	AZ51MX2091
<input type="checkbox"/>	Edit Copy Delete PES12	Rudraksh	909049776	SYMPHONY	AZ51MX2091
<input type="checkbox"/>	Edit Copy Delete PES13	ROHIT	957631846	PUNE	KA51MX2053
<input type="checkbox"/>	Edit Copy Delete PES14	CHAHAL	957456186	BANGALORE	KA51MX2050
<input type="checkbox"/>	Edit Copy Delete PES15	BUMRAH	957256186	MUMBAI	KA51MX2053
<input type="checkbox"/>	Edit Copy Delete PES16	SANJANA	957456186	MUMBAI	KA51MX2050
<input type="checkbox"/>	Edit Copy Delete PES2	PRIYA	965874321	BIKANER	RJ51MX2054
<input type="checkbox"/>	Edit Copy Delete PES3	SHARMILA	865497132	BAGLUR	KA51MX2072
<input type="checkbox"/>	Edit Copy Delete PES4	PRIYANSH	965487231	DEVGARH	HR51MX3050
<input type="checkbox"/>	Edit Copy Delete PES5	RISHAB	957631846	PANIPAT	HR51MX9060
<input type="checkbox"/>	Edit Copy Delete PES6	KAPIL	654987123	KARNAL	KA51MX7002
<input type="checkbox"/>	Edit Copy Delete PES7	SAGAR	965874321	ARIZONA	HR51MX6054
<input type="checkbox"/>	Edit Copy Delete PES8	SACHIN	965812321	GURGAON	AZ51MX2090
<input type="checkbox"/>	Edit Copy Delete PES9	PARTH	965874319	BANGALORE	JH51MX2060

← Check all With selected: Edit Copy Delete Export

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

2)

```

START TRANSACTION;
SELECT * FROM PASSENGER;
INSERT INTO PASSENGER
VALUES('PES17','RIZWAN',907456186,'MUMBAI','KA51MX2053');
SELECT * FROM PASSENGER;
SAVEPOINT MY_SAVE;
DELETE FROM PASSENGER WHERE PNAME='SANJANA';
ROLLBACK TO SAVEPOINT MY_SAVE;
SELECT * FROM PASSENGER;
COMMIT;

```

Server: localhost > Database: travel > Table: PASSENGER

	PNO	PNAME	MOBILENO	ADDRESS	BUSNO	
<input type="checkbox"/>	Edit	Copy	Delete	PES1	RITIK	90908976 SYMPHONY KA51MX2050
<input type="checkbox"/>	Edit	Copy	Delete	PES10	CHARAN	654987129 DOMICILE KA51MX2051
<input type="checkbox"/>	Edit	Copy	Delete	PES11	LAVISHA	909089786 PRESTIGE AZ51MX2091
<input type="checkbox"/>	Edit	Copy	Delete	PES12	Rudraksh	909049776 SYMPHONY AZ51MX2091
<input type="checkbox"/>	Edit	Copy	Delete	PES13	ROHIT	957631846 PUNE KA51MX2053
<input type="checkbox"/>	Edit	Copy	Delete	PES14	CHAHAL	957456186 BANGALORE KA51MX2050
<input type="checkbox"/>	Edit	Copy	Delete	PES15	BUMRAH	957256186 MUMBAI KA51MX2053
<input type="checkbox"/>	Edit	Copy	Delete	PES16	SANJANA	957456186 MUMBAI KA51MX2050
<input type="checkbox"/>	Edit	Copy	Delete	PES2	PRIYA	965874321 BIKANER RJ51MX2054
<input type="checkbox"/>	Edit	Copy	Delete	PES3	SHARMILA	865497132 BAGLUR KA51MX2072
<input type="checkbox"/>	Edit	Copy	Delete	PES4	PRIYANSH	965487231 DEVGARH HR51MX3050
<input type="checkbox"/>	Edit	Copy	Delete	PES5	RISHAB	957631846 PANIPAT HR51MX9060
<input type="checkbox"/>	Edit	Copy	Delete	PES6	KAPIL	654987123 KARNAL KA51MX7002
<input type="checkbox"/>	Edit	Copy	Delete	PES7	SAGAR	965874321 ARIZONA HR51MX6054
<input type="checkbox"/>	Edit	Copy	Delete	PES8	SACHIN	965812321 GURGAON AZ51MX2090
<input type="checkbox"/>	Edit	Copy	Delete	PES9	PARTH	965874319 BANGALORE JH51MX2060

Check all With selected:

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

Server: localhost > Database: travel > Table: PASSENGER

	PNO	PNAME	MOBILENO	ADDRESS	BUSNO	
<input type="checkbox"/>	Edit	Copy	Delete	PES1	RITIK	90908976 SYMPHONY KA51MX2050
<input type="checkbox"/>	Edit	Copy	Delete	PES10	CHARAN	654987129 DOMICILE KA51MX2051
<input type="checkbox"/>	Edit	Copy	Delete	PES11	LAVISHA	909089786 PRESTIGE AZ51MX2091
<input type="checkbox"/>	Edit	Copy	Delete	PES12	Rudraksh	909049776 SYMPHONY AZ51MX2091
<input type="checkbox"/>	Edit	Copy	Delete	PES13	ROHIT	957631846 PUNE KA51MX2053
<input type="checkbox"/>	Edit	Copy	Delete	PES14	CHAHAL	957456186 BANGALORE KA51MX2050
<input type="checkbox"/>	Edit	Copy	Delete	PES15	BUMRAH	957256186 MUMBAI KA51MX2053
<input type="checkbox"/>	Edit	Copy	Delete	PES16	SANJANA	957456186 MUMBAI KA51MX2050
<input type="checkbox"/>	Edit	Copy	Delete	PES17	RIZWAN	907456186 MUMBAI KA51MX2053
<input type="checkbox"/>	Edit	Copy	Delete	PES2	PRIYA	965874321 BIKANER RJ51MX2054
<input type="checkbox"/>	Edit	Copy	Delete	PES3	SHARMILA	865497132 BAGLUR KA51MX2072
<input type="checkbox"/>	Edit	Copy	Delete	PES4	PRIYANSH	965487231 DEVGARH HR51MX3050
<input type="checkbox"/>	Edit	Copy	Delete	PES5	RISHAB	957631846 PANIPAT HR51MX9060
<input type="checkbox"/>	Edit	Copy	Delete	PES6	KAPIL	654987123 KARNAL KA51MX7002
<input type="checkbox"/>	Edit	Copy	Delete	PES7	SAGAR	965874321 ARIZONA HR51MX6054
<input type="checkbox"/>	Edit	Copy	Delete	PES8	SACHIN	965812321 GURGAON AZ51MX2090
<input type="checkbox"/>	Edit	Copy	Delete	PES9	PARTH	965874319 BANGALORE JH51MX2060

Check all With selected:

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

Server: localhost » Database: travel » Table: PASSENGER

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Label: Let every user access this bookmark

[Bookmark this SQL query](#)

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

```
SAVEPOINT MY_SAVE;
```

[Edit inline] [Edit] [Create PHP code]

1 row affected. (Query took 0.0017 seconds.)

```
DELETE FROM PASSENGER WHERE PNAME='SANJANA' ;
```

[Edit inline] [Edit] [Create PHP code]

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0058 seconds.)

```
ROLLBACK TO SAVEPOINT MY_SAVE;
```

[Edit inline] [Edit] [Create PHP code]

Showing rows 0 - 16 (17 total, Query took 0.0007 seconds.)

```
SELECT * FROM PASSENGER;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

Server: localhost » Database: travel » Table: PASSENGER

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	PNO	PNAME	MOBILENO	ADDRESS	BUSNO
<input type="checkbox"/>	Edit Copy Delete	PES1	RITIK	90908976	SYMPHONY
<input type="checkbox"/>	Edit Copy Delete	PES10	CHARAN	654987129	DOMICILE
<input type="checkbox"/>	Edit Copy Delete	PES11	LAVISHA	909089786	PRESTIGE
<input type="checkbox"/>	Edit Copy Delete	PES12	Rudraksh	909049776	SYMPHONY
<input type="checkbox"/>	Edit Copy Delete	PES13	ROHIT	957631846	PUNE
<input type="checkbox"/>	Edit Copy Delete	PES14	CHAHAL	957456186	BANGALORE
<input type="checkbox"/>	Edit Copy Delete	PES15	BUMRAH	957256186	MUMBAI
<input type="checkbox"/>	Edit Copy Delete	PES16	SANJANA	957456186	MUMBAI
<input type="checkbox"/>	Edit Copy Delete	PES17	RIZWAN	907456186	MUMBAI
<input type="checkbox"/>	Edit Copy Delete	PES2	PRIYA	965874321	BIKANER
<input type="checkbox"/>	Edit Copy Delete	PES3	SHARMILA	865497132	BAGLUR
<input type="checkbox"/>	Edit Copy Delete	PES4	PRIYANSH	965487231	DEVGARH
<input type="checkbox"/>	Edit Copy Delete	PES5	RISHAB	957631846	PANIPAT
<input type="checkbox"/>	Edit Copy Delete	PES6	KAPIL	654987123	KARNAL
<input type="checkbox"/>	Edit Copy Delete	PES7	SAGAR	965874321	ARIZONA
<input type="checkbox"/>	Edit Copy Delete	PES8	SACHIN	965812321	GURGAON
<input type="checkbox"/>	Edit Copy Delete	PES9	PARTH	965874319	BANGALORE

[Edit selected](#) [Copy](#) [Delete](#) [Export](#)

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

Console

CONTRIBUTIONS :

- 1) PRIYA MOHATA: SIMPLE QUERIES , NESTED QUERIES ,DOCUMENTATION.
- 2) SHARMILA R : COMPLEX QUERIES , TRANSCATIONS
- 3) RITIK : MULTIUSER CREATION AND PRIVILEGES.