



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 :

Run SQL query/queries on table travel.BUS:

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

BUSNO
BODYNO
ROUTENAME

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

+ Options

	BUSNO
<input type="checkbox"/> Edit Copy Delete	AZ51MX2091
<input type="checkbox"/> Edit Copy Delete	KA51MX2050
<input type="checkbox"/> Edit Copy Delete	KA51MX2051
<input type="checkbox"/> Edit Copy Delete	KA51MX2072
<input type="checkbox"/> Edit Copy Delete	KA51MX7002

☐ Check all | With selected: Edit Copy Delete Export

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

Query results operations

2) SELECT PASSENGER NAMES THAT BEGIN WITH 'S'

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

Run SQL query/queries on table travel.PASSENGER:

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

+ Options				
				PNAME
<input type="checkbox"/>				SANJANA
<input type="checkbox"/>				SHARMILA
<input type="checkbox"/>				SAGAR
<input type="checkbox"/>				SACHIN

☐ 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"/>				HRRTC
<input type="checkbox"/>				HRRTC
<input type="checkbox"/>				DTC
<input type="checkbox"/>				RJRTC
<input type="checkbox"/>				JHRTC
<input type="checkbox"/>				BMTC-6422
<input type="checkbox"/>				HRRTC

☐ 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: Edit Copy Delete Export

☐ Show all Number of rows: 25 Filter rows: 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
ADDRESS
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;
```



+ 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: Filter rows: Sort by key:

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
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	6792	BILL	JAYNAGAR	865497132	KA51MX2051
HRRTC	2776	06-765-18565	6792	BILL	JAYNAGAR	865497132	KA51MX2051
DTC	1345	07-852-74139	6792	BILL	JAYNAGAR	865497132	KA51MX2051
RJRTC	1938	08-654-75396	6792	BILL	JAYNAGAR	865497132	KA51MX2051
JHRTC	1234	27-694-74125	6792	BILL	JAYNAGAR	865497132	KA51MX2051
KKRTC-4343	1002	29-852-12345	6792	BILL	JAYNAGAR	865497132	KA51MX2051
TNSRTC-4716	1003	33-741-95135	6792	BILL	JAYNAGAR	865497132	KA51MX2051
BMTC-6422	6792	51-125-18525	6792	BILL	JAYNAGAR	865497132	KA51MX2051
HRRTC	4097	51-852-32165	6792	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
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"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	JOHN	HR51MX6054
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	EVE	HR51MX9060
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	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"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1002	AMY	MARATHALLI	965487231	KA51MX2072
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1003	ADAM	CHENNAI	852369745	KA51MX2050
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1004	SAKSHI	BTM	909083128	KA51MX2051
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1006	VIRAT	BANDRA	967083128	KA51MX2051
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1234	BHEEM	JHARKHAND	654987123	JH51MX2060
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1345	BOB	DELHI	965874321	RJ51MX2054
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1902	JOHN	HARYANA	852364978	HR51MX6054
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2776	EVE	HARYANA	789456321	HR51MX9060
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4097	RAJU	HARYANA	957631846	HR51MX3050
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	6792	BILL	JAYNAGAR	865497132	KA51MX2051
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	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);
```

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

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

+ Options

COUNT_OWNER

13

Query results operations

[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');
```

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

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

+ Options

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);
```

Showing rows 0 - 2 (3 total, Query took 0.0021 seconds.)

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

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

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

+ Options

	BUSNO	ROUTENAME
<input type="checkbox"/> Edit Copy Delete	AZ51MX2095	DEL-MUM
<input type="checkbox"/> Edit Copy Delete	KA51MX2056	MLR-MUM
<input type="checkbox"/> Edit Copy Delete	KA51MX6709	DEL-JK

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;
```

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

TRANSCATIONS :

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: Search this table | Sort by key: None

Query results overview

<p>✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)</p> <p>SAVEPOINT MY_SAVE;</p> <p>[Edit inline] [Edit] [Create PHP code]</p>
<p>✓ 1 row inserted. (Query took 0.0019 seconds.)</p> <p>INSERT INTO PASSENGER VALUES('PES17','RIZWAN',907456186,'MUMBAI','KA51MX2053');</p> <p>[Edit inline] [Edit] [Create PHP code]</p>
<p>✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0008 seconds.)</p> <p>ROLLBACK TO SAVEPOINT MY_SAVE;</p> <p>[Edit inline] [Edit] [Create PHP code]</p>
<p>✓ Showing rows 0 - 15 (16 total, Query took 0.0023 seconds.)</p> <p>SELECT * FROM PASSENGER;</p> <p><input type="checkbox"/> Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]</p>

☐ Show all | Number of rows: 25 | Filter rows: Search this table | 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

☐ 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	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

☐ 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	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: Edit Copy Delete Export

☐ 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](#)
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[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	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: [Edit](#) [Copy](#) [Delete](#) [Export](#)

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

Console

TRIGGERS

```

1  CREATE function buswithka()
2  returns TRIGGER AS $buswithka$
3      BEGIN
4          IF NEW.BUSNO LIKE 'KA%' THEN
5              RAISE EXCEPTION 'KARNTAKA ROUTE', NEW.BUSNO;
6          END IF;
7          return NEW;
8      END;
9  $buswithka$
10 LANGUAGE plpgsql;
11
12 CREATE TRIGGER buswithka
13 AFTER INSERT OR UPDATE ON PASSENGER
14 FOR EACH ROW EXECUTE function buswithka();

```

```

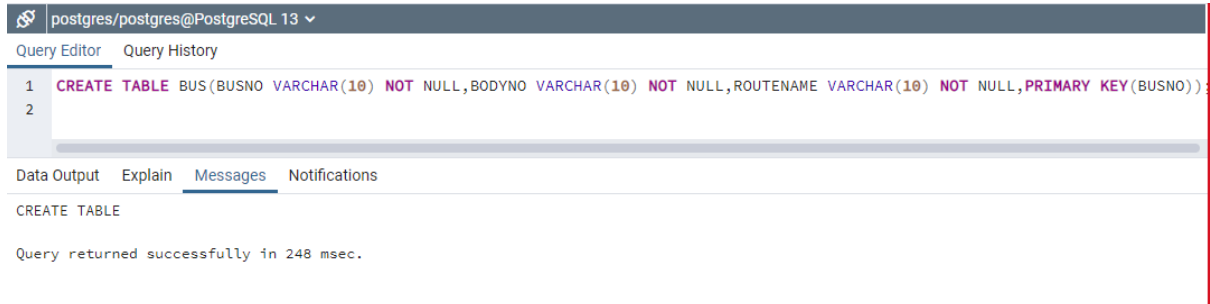
CREATE function buswithoutka()
returns TRIGGER AS $buswithoutka$
    BEGIN
        IF NEW.BUSNO NOT LIKE 'KA%' THEN
            RAISE EXCEPTION 'NOT KARNTAKA ROUTE', NEW.BUSNO;
        END IF;
        return NEW;
    END;
$buswithoutka$
LANGUAGE plpgsql;

CREATE TRIGGER buswithoutka
AFTER INSERT OR UPDATE ON PASSENGER
FOR EACH ROW EXECUTE function buswithoutka();

```

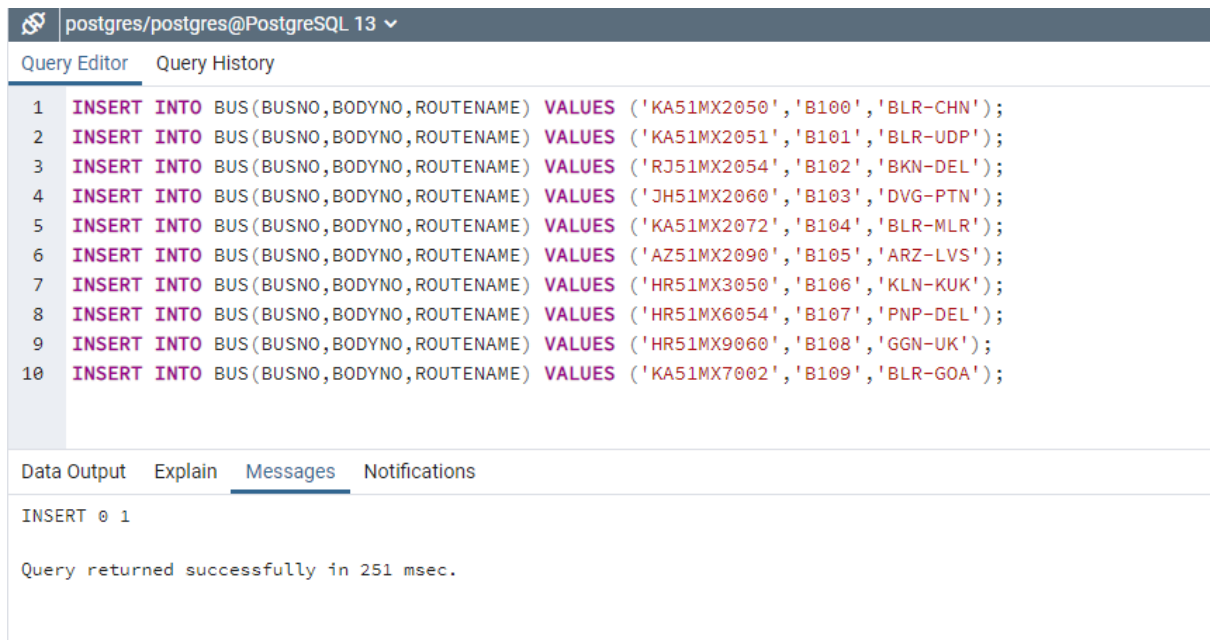
Performance Analysis:

CREATE BUS TABLE:



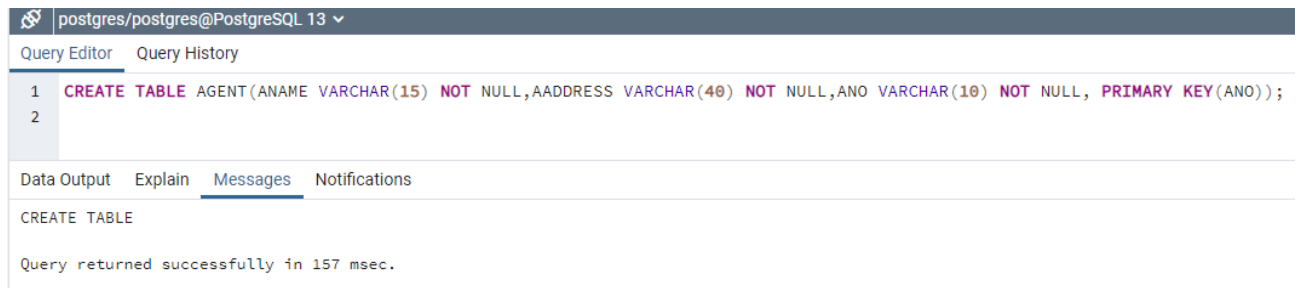
The screenshot shows the PostgreSQL Query Editor interface. The top bar indicates the user is 'postgres/postgres@PostgreSQL 13'. Below the bar, there are tabs for 'Query Editor' and 'Query History'. The 'Query Editor' tab is active, displaying a SQL query: `1 CREATE TABLE BUS (BUSNO VARCHAR(10) NOT NULL, BODYNO VARCHAR(10) NOT NULL, ROUTENAME VARCHAR(10) NOT NULL, PRIMARY KEY (BUSNO));` and a second empty line. Below the query, there are tabs for 'Data Output', 'Explain', 'Messages', and 'Notifications'. The 'Messages' tab is selected, showing the output: `CREATE TABLE` and a status message: `Query returned successfully in 248 msec.`

INSERT VALUES INTO BUS TABLE:



The screenshot shows the PostgreSQL Query Editor interface. The top bar indicates the user is 'postgres/postgres@PostgreSQL 13'. Below the bar, there are tabs for 'Query Editor' and 'Query History'. The 'Query Editor' tab is active, displaying a SQL query: `1 INSERT INTO BUS (BUSNO, BODYNO, ROUTENAME) VALUES ('KA51MX2050', 'B100', 'BLR-CHN');` followed by lines 2 through 10, each with a different set of values. Below the query, there are tabs for 'Data Output', 'Explain', 'Messages', and 'Notifications'. The 'Messages' tab is selected, showing the output: `INSERT 0 1` and a status message: `Query returned successfully in 251 msec.`

CREATE AGENT TABLE:



postgres/postgres@PostgreSQL 13

Query Editor Query History

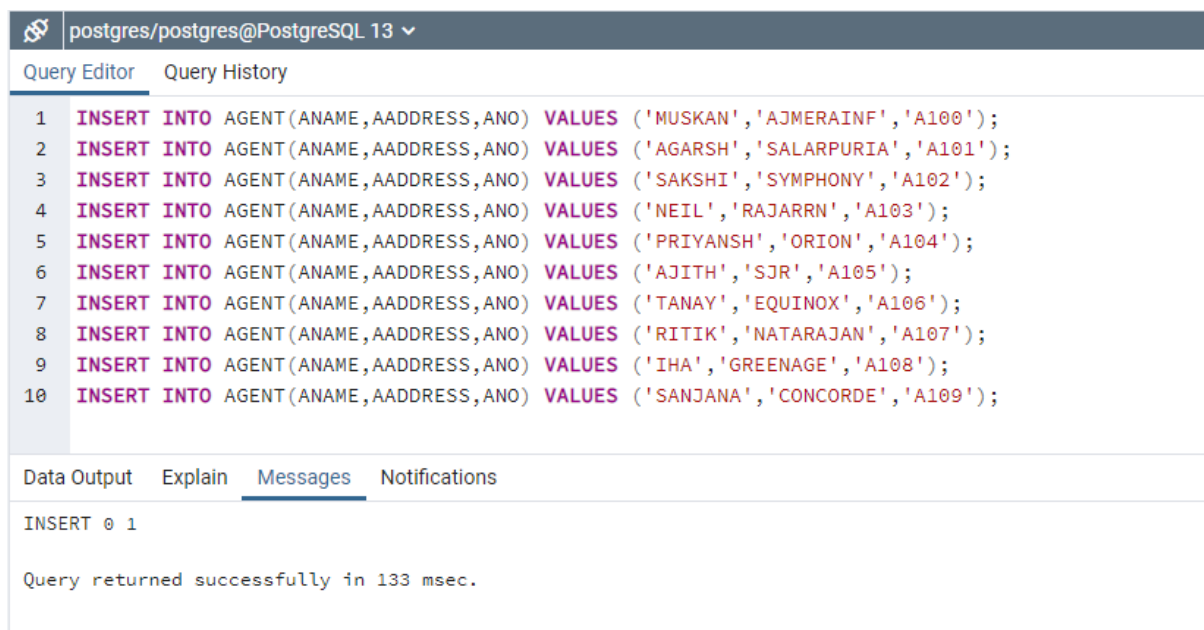
```
1 CREATE TABLE AGENT(ANAME VARCHAR(15) NOT NULL,ADDRESS VARCHAR(40) NOT NULL,ANO VARCHAR(10) NOT NULL, PRIMARY KEY(ANO));
2
```

Data Output Explain Messages Notifications

CREATE TABLE

Query returned successfully in 157 msec.

INSERT VALUES INTO AGENT TABLE:



postgres/postgres@PostgreSQL 13

Query Editor Query History

```
1 INSERT INTO AGENT(ANAME,ADDRESS,ANO) VALUES ('MUSKAN','AJMERAINF','A100');
2 INSERT INTO AGENT(ANAME,ADDRESS,ANO) VALUES ('AGARSH','SALARPURIA','A101');
3 INSERT INTO AGENT(ANAME,ADDRESS,ANO) VALUES ('SAKSHI','SYMPHONY','A102');
4 INSERT INTO AGENT(ANAME,ADDRESS,ANO) VALUES ('NEIL','RAJARRN','A103');
5 INSERT INTO AGENT(ANAME,ADDRESS,ANO) VALUES ('PRIYANSH','ORION','A104');
6 INSERT INTO AGENT(ANAME,ADDRESS,ANO) VALUES ('AJITH','SJR','A105');
7 INSERT INTO AGENT(ANAME,ADDRESS,ANO) VALUES ('TANAY','EQUINOX','A106');
8 INSERT INTO AGENT(ANAME,ADDRESS,ANO) VALUES ('RITIK','NATARAJAN','A107');
9 INSERT INTO AGENT(ANAME,ADDRESS,ANO) VALUES ('IHA','GREENAGE','A108');
10 INSERT INTO AGENT(ANAME,ADDRESS,ANO) VALUES ('SANJANA','CONCORDE','A109');
```

Data Output Explain Messages Notifications

INSERT 0 1

Query returned successfully in 133 msec.

CONTRIBUTIONS :

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