BASIC QUERIES

```
MariaDB [19767om]> insert into PASSENGER values(22, "Imade Ada", "324 Longitude Drive, Anti
och", 345768998, "Imadee@gmail.com", 1131);
Query OK, 1 row affected (0.003 sec)
```

MariaDB [19767om] > select * from PASSENGER;

4				+	+	+	-+
j	Passenger_id	Passenger_name	Address	Phone	Email	Trip_id	
Ī	1	Tom Brown	12, Washington boulevard,NY	431267271	tombrown@yahoo.com	1110	Ť
i	2		54. San Mateo.CA	672347983	joyce121@gmail.com	1111	i
i	3	Jane George	127, Brooklyn Street, NY	1 257890412	Georgejane@vahoo.com	1112	i.
i	4	•	1452, Piper Court.IN	812345908	masonanderson@vmail.com		
i	5		381, 82nd Avenue,IL	821673710	ynana@yahoo.com	1114	
i	6		712, Mission Court,FL	453218906	peterblakes71@gmail.com	1157	i.
i	7		1210, Atlantic Blvd, TX	912345763	Gracedowey@gmail.com	1162	
i	8	Robert Lee	420, Santa Clara, CA	389486309	Robertss@gmail.com	1159	
i	9	Ellen Smith	601, Main Street,UT	650812745	Ellensmith@vahoo.com	1163	i.
i	10	Lucy Miller	116, State College Blvd,MO	712908321	lucymiller@ymail.com	1164	i
i	11	Iris Watson	191, Dolor Avenue,NH	908765325	watsoniris@ymail.com	1176	i.
i	12	Lawrence Moreno	7292, San Antonio,MI	651908768	lawrenzo@vmail.com	1177	i
i	13	Calista Wise	841, Roseville Street, NH	221356908	wcalister@yahoo.com	1178	i
i	14	Bianca Jacobs	222, Miami Beach, ND	310986432	bjacobs@yahoo.com	1180	i
i	15	Judith Floyd	184, Savannah Illinois, IL	453218907	judithh@gmail.com	1185	i
	16	Daniel Malone	3217, Princeton Avenue, TX	908712346	danielmalone@gmail.com	1125	1
i	17	Rebecca Scott	597, Green Bay, IN	908712346	rebscott@gmail.com	1126	i
	18	Peter Anderson	901, Mountain Hill, NC	907521087	peteanders@gmail.com	1127	1
ı	19	Kim Fletcher	191, Semper Avenue, NJ	531980764	fletcher@yahoo.com	1128	1
i	20	Aaron Sutton	1429, Reedsport Rd, NY	884670941	aaronme@yahoo.com	1129	1
	21	Willow Smith	3415, Rocky Mount, WA	764123809	willsmith@yahoo.com	1130	1
i	22	Imade Ada	324 Longitude Drive, Antioch	345768998	Imadee@gmail.com	1131	1
4			+	+	+	+	-+

22 rows in set (0.000 sec)

MariaDB [19767om]> select * from PASSENGER where Passenger name like "L%";

Passenger_id	Passenger_name	Address	Phone	Email	Trip_id
	-	116, State College Blvd,MO 7292, San Antonio,MI	•	lucymiller@ymail.com lawrenzo@ymail.com	1164 1177

2 rows in set (0.000 sec)

MariaDB [19767om] > update TRIP set Fare = 5 where Trip_id = 1178;
Query OK, 1 row affected (0.002 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [19767om] > drop Table STATION; Query OK, 0 rows affected (0.013 sec)

MariaDB [19767om]> alter table PASSENGER add foreign key(Trip_id) references TRIP(Trip_id);
Query OK, 22 rows affected (0.036 sec)
Records: 22 Duplicates: 0 Warnings: 0

ADVANCED QUERIES

MariaDB [19767om] > select Passenger_id, Passenger_name, Phone, Trip_id from PASSENGER where Trip_id in (select Trip_id from TRIP);

2 Joyce Gate 3 Jane George 4 Mason Anderson 5 Nana Yaw		
3 Jane George 4 Mason Anderson 5 Nana Yaw		1111
4 Mason Anderson 5 Nana Yaw	257890412	
5 Nana Yaw		1112
	812345908	1113
	821673710	1114
6 Peter Blakes	453218906	1157
7 Grace Dowey	912345763	1162
8 Robert Lee	389486309	1159
9 Ellen Smith	650812745	1163
10 Lucy Miller	712908321	1164
ll Iris Watson	908765325	1176
12 Lawrence Moreno	651908768	1177
13 Calista Wise	221356908	1178
14 Bianca Jacobs	310986432	1180
15 Judith Floyd	453218907	1185
16 Daniel Malone	908712346	1125
17 Rebecca Scott	908712346	1126
18 Peter Anderson	907521087	1127
19 Kim Fletcher	531980764	1128
20 Aaron Sutton	884670941	1129
21 Willow Smith	764123809	1130
22 Imade Ada	345768998	1131

MariaDB [19767om]> select * from TRAIN inner join STATIONS where TRAIN.T_id = STATIONS.Train_id group by Train_id;

T_ic	l	T_type	Seating_capacity	Line_color	Station_id	Station_name	Train_i	.d	†
]	.	A2	60	Green	145	Berryessa/North San Jose		1	Ī
2		B2	[60	Blue	127	San Francisco Airport(SFO)		2	
3		C1	1 56	Yellow	148	Castro Valley		3	
4		C2	56	Red	133	Ashby		4	I
	1	D3	[60	Orange	110	MacArthur		5	Ī

5 rows in set (0.001 sec)

MariaDB [19767om]> select D_id, D_name, "Salary(\$)", D_ssn, TRAIN.T_id, Line_col or from DRIVER inner join TRAIN on DRIVER.T_id = TRAIN.T_id;

	_	Salary(\$)		_	Line_color
201 202 203 204 205	Bright Johnson Dwayne Smith Lee Jones Jones Sutton Paul Walker James Wright Thomas White	Salary(\$) Salary(\$) Salary(\$) Salary(\$) Salary(\$) Salary(\$) Salary(\$) Salary(\$) Salary(\$)	453217098 654217048 542098731 882165731 763097622	1 1 2 3 4 4 5 5 1 2 1 1 5	Green Blue Yellow Red Orange Blue Green Orange

10 rows in set (0.000 sec)

MariaDB [19767om]> SELECT PASSENGER.Passenger_name, PASSENGER.Trip_id, TRIP.`Fare(\$)`, TRIP.`Time_duration(mins)`, Blue_Green_Lines.Blue_line_train_id, Blue_Green_Lines
.Green_line_train_id FROM PASSENGER INNER JOIN TRIP ON PASSENGER.Trip_id = TRIP.Trip_id INNER JOIN Blue_Green_Lines on Blue_Green_Lines.Station_id = TRIP.Start_station
_id or Blue_Green_Lines.Station_id = TRIP.End_station_id;

+	+-		+-			+	+
Passenger_name	Ī	Trip_id	į	Fare(\$)	Time_duration(mins)	Blue_line_train_id	Green_line_train_id
Iris Watson	1	1176	+- 	8.5	82	3	+1 1
Lawrence Moreno	i	1177	i	8.55	84	3	1
Calista Wise		1178	ĺ	5	6] 3	1
Calista Wise	1	1178	ĺ	5	6] 3	1
Bianca Jacobs	1	1180	l	3.55	10] 3	1
Bianca Jacobs	1	1180	l	3.55	10] 3	1
Judith Floyd		1185		4.4	21] 3	1
Judith Floyd	1	1185	l	4.4	21] 3	1
Willow Smith	1	1130	l	8.95	84] 3	1
Imade Ada	I	1131	l	8.8	82] 3	1
+	-+-		+-		 	+	+

10 rows in set (0.000 sec)

Activate Windows
Go to Settings to activate Windows.

```
MariaDB [19767om]> select
       `YELLOW_LINE`.`Station_id` AS `Station_id`,
         `YELLOW_LINE`.`Station_name` AS `Connecting_stations`
   -> from ( ( ( (
                          'YELLOW LINE'
                          join 'GREEN_LINE' on(
                              'YELLOW_LINE'.'Station_name' = 'GREEN_LINE'.'Station_name'
                      join `BLUE_LINE` on(
   ->
                          `YELLOW_LINE'. Station_name' = `BLUE_LINE'. Station_name'
   ->
    ->
    ->
                  )
   ->
             )
          );
```

MariaDB [19767om]> select distinct PASSENGER.Passenger_name, TRIP.Trip_id, TRIP.Start_station_id, START_STATIONS.Start_stations, TRIP.End_station_id, END_STATIONS.End_station, TRIP. Time_duration(mins) from TRIP natural join PASSENGER natural join START_STATIONS natural join END_STATIONS;

_	_	Start_station_id	_	End_station_id	End_station		Time_duration(mins)
Tom Brown	1110	•	Berryessa/North San Jose		Milipitas	2.15	· · · · · · · · · · · · · · · · · · ·
Joyce Gate	1111	145	Berryessa/North San Jose	143	Warm Springs/South Fremont	3.1	13
Jane George	1112	145	Berryessa/North San Jose	142	Fremont	3.85	19
Mason Anderson	1113	145	Berryessa/North San Jose	141	Union City	4.2	24
Nana Yaw	1114	145	Berryessa/North San Jose	140	South Hayward	4.75	29
Peter Blakes	1157	100	Antioch	101	Pittsburg Centre	2.15	7
Grace Dowey	1162	100	Antioch	106	Walnut Creek	4.6	39
Robert Lee	1159	100	Antioch	103	North Concord/Martinez	3.75	23
Ellen Smith	1163	100	Antioch	107	Lafayette	5	39
Lucy Miller	1164	100	Antioch	108	Orinda	5.4	44
Iris Watson	1176	100	Antioch	120	Glen Park	8.5	82
Lawrence Moreno	1177	100	Antioch	121	Balboa Park	8.55	84
Calista Wise	1178	113	West Oakland	114	Embarcadero	5	[6]
Bianca Jacobs	1180	113	West Oakland	116	Powell St	3.55	10
Bianca Jacobs	1180	113	West Oakland	116	Powell	3.55	10
Judith Floyd	1185	113	West Oakland	121	Balboa Park	4.4	21
Daniel Malone	1125	145	Berryessa/North San Jose	129	El Cerrito del Norte	7.3	75
Rebecca Scott	1126	145	Berryessa/North San Jose	128	Richmond	7.5	80
Peter Anderson	1127	145	Berryessa/North San Jose	112	12th St/Oakland	6.5	56
Kim Fletcher	1128	145	Berryessa/North San Jose	111	19th St/Oakland	6.5	61
Aaron Sutton	1129	145	Berryessa/North San Jose	110	MacArthur	6.6	62
Willow Smith	1130	145	Berryessa/North San Jose	122	Daly City	8.95	84
Imade Ada	1131		Berryessa/North San Jose		Balboa Park	8.8	Activate Windows

23 rows in set (0.008 sec)

Go to Settings to activate Windows

```
MariaDB [19767om] > select
           `RED_LINE`.`Station_id` AS `Station_id`,
    ->
           `RED_LINE'. 'Station_name' AS 'Station_name',
           `RED_LINE`.`Train_id` AS `Train_id`
    ->
    -> from 'RED LINE'
    -> union
    -> select
            `BLUE_LINE`.`Station_id` AS `Station_id`,
    ->
          `BLUE_LINE`.`Station_name` AS `Station_name`,
`BLUE_LINE`.`Train_id` AS `Train_id`
    ->
    -> from 'BLUE LINE'
    -> union
    -> select
    ->
            `YELLOW_LINE`.`Station_id` AS `Station_id`,
           `YELLOW_LINE`.`Station_name` AS `Station_name`,
          `YELLOW_LINE`.`Train_id` AS `Train_id`
    ->
    -> from 'YELLOW LINE'
    -> union
            `GREEN_LINE`.`Station_id` AS `Station_id`,
    ->
          `GREEN_LINE`.`Station_name` AS `Station_name`,
`GREEN_LINE`.`Train_id` AS `Train_id`
    -> from `GREEN_LINE`
    -> union
    -> select
            `ORANGE_LINE`.`Station_id` AS `Station_id`,
            'ORANGE_LINE'.'Station_name' AS 'Station_name',
           `ORANGE_LINE`.`Train_id` AS `Train_id`
    ->
    -> from `ORANGE_LINE`
    -> group by
    -> `ORANGE_LINE`.`Train_id`
    -> order by `Station_id` limit 20;
```

+	- +	
Station_id +	Station_name	Train_id
100	Antioch	2
101	Pittsburg Centre	2
102	Pittsburg/Bay Point	2
103	North Concord/Martinez	2
104	Concord	2
105	Pleasant Hill	2
106	Walnut Creek	2
107	Lafayette	2
108	Orinda	2
109	Rockridge	2
110	MacArthur	5
110	MacArthur	4
110	MacArthur	2
111	19th St/Oakland	4
111	19th St/Oakland	2
112	12th St/Oakland	2
112	12th St/Oakland	4
113	West Oakland	1
113	West Oakland	4
113	West Oakland	2
+	+	++

20 rows in set (0.001 sec)

MariaDB [19767cm]> select * from TRIP left outer join Blue Yellow Lines on TRIP.Start_station_id = Blue_Yellow_Lines.Station_id where Station_id is not null;

Trip_id				Time_duration(mins)	_	_		Yellow_line_train_id
1178	•					 West Oakland		2
1179	113	115	3.55	8	113	West Oakland	3	2
1180	113	116	3.55	10	113	West Oakland] 3	2
1181	113	117	3.55	14	113	West Oakland	3	2
1182	113	118	3.85	14	113	West Oakland	3	2
1183	113	119	3.95	17	113	West Oakland	3	2
1184	113	120	4.2	24	113	West Oakland] 3	2
1185	113	121	4.4	21	113	West Oakland	3	2
1186	113	122	4.6	25	113	West Oakland	3	2
1187	113	134	2.15	7	113	West Oakland	3	2
1188	113	135	2.15	11	113	West Oakland	3	2
1189	113	136	2.4	14	113	West Oakland	3	2
1190	113	137	2.95	17	113	West Oakland	3	2
1191	113	138	3.4	21	113	West Oakland	3	2
1192	113	146	5	39	113	West Oakland	3	2
1193	113	147	4.85	39	113	West Oakland	3	2
1194	113	148	3.8	26	113	West Oakland	3	Activate Windows
rows in	set (0.000 sec)							Go to Settings to activat