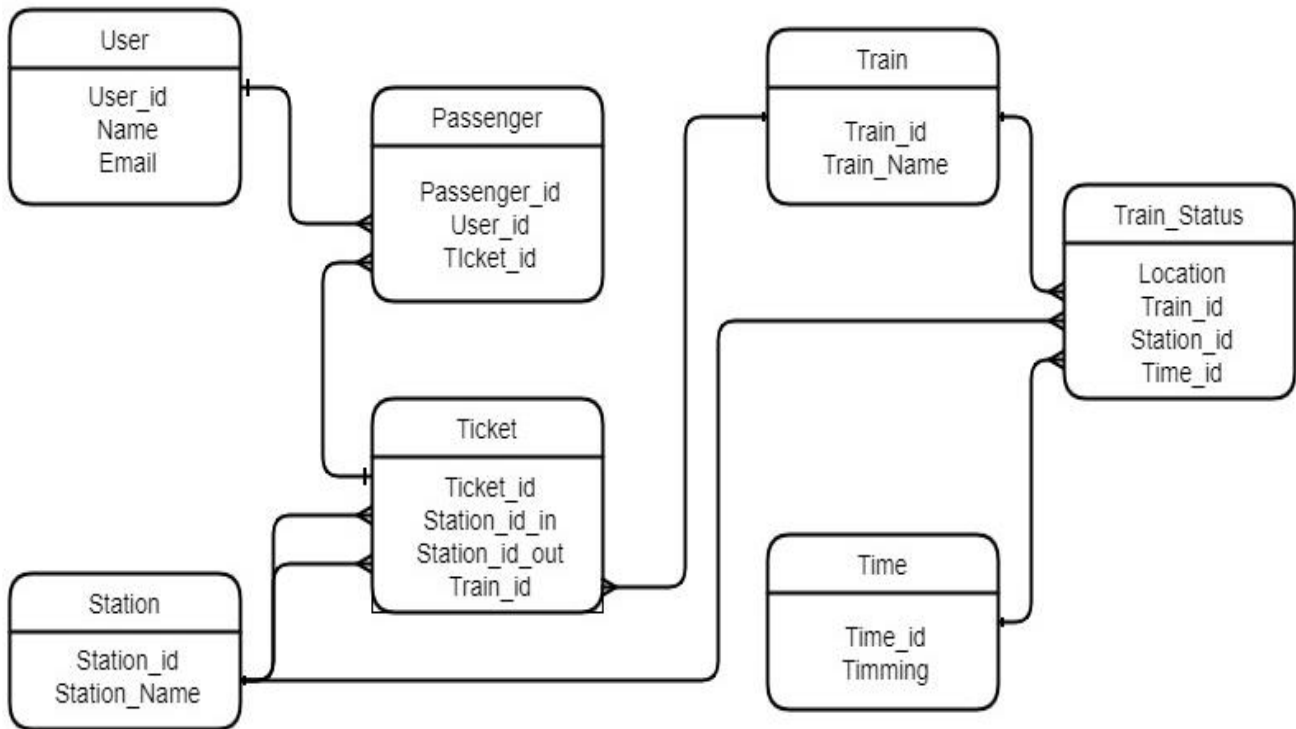


ER Diagram



Structure of Tables

User :

create table user (user_id int primary key(11), name varchar(20), email varchar(50));

```
MariaDB [(none)]> use train;
Database changed
MariaDB [train]> desc user;
```

| Field | Type | Null | Key | Default | Extra |
|---------|-------------|------|-----|---------|-------|
| user_id | int(11) | NO | PRI | NULL | |
| name | varchar(20) | YES | | NULL | |
| email | varchar(50) | YES | | NULL | |

```
3 rows in set (0.044 sec)
```

Passenger :

create table passenger (passenger_id int(11) primary key, user_id int(11), ticket_id int(11));

alter table passenger add constraint fk_userid foreign key (user_id) references
user(user_id);

alter table passenger add constraint fk_ticketid foreign key (ticket_id) references
ticket(ticket_id);

```
MariaDB [train]> Desc Passenger;
```

| Field | Type | Null | Key | Default | Extra |
|--------------|---------|------|-----|---------|-------|
| passenger_id | int(11) | NO | PRI | NULL | |
| user_id | int(11) | YES | MUL | NULL | |
| ticket_id | int(11) | YES | MUL | NULL | |

```
3 rows in set (0.013 sec)
```

Station :

create table station (station_id int(11) primary key, station_name varchar(20));

```
MariaDB [train]> DESC train;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| train_id   | int(11)       | NO   | PRI | NULL    |       |
| train_name | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.046 sec)
```

Train:

create table train (train_id int(11) primary key, train_name varchar(20));

```
MariaDB [train]> DESC train;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| train_id   | int(11)       | NO   | PRI | NULL    |       |
| train_name | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.046 sec)
```

Ticket:

create table ticket (ticket_id int(11) primary key, station_id_in int(11), station_id_out int(11), train_id int(11));

alter table ticket add constraint fk_stationid foreign key (station_id_in) references station(station_id);

alter table ticket add constraint fk_stationid2 foreign key (station_id_out) references station(station_id);

alter table ticket add constraint fk_trainid foreign key (train_id) references train(train_id);

```
MariaDB [train]> DESC ticket;
```

| Field | Type | Null | Key | Default | Extra |
|----------------|---------|------|-----|---------|-------|
| ticket_id | int(11) | NO | PRI | NULL | |
| station_id_in | int(11) | YES | MUL | NULL | |
| station_id_out | int(11) | YES | MUL | NULL | |
| train_id | int(11) | YES | MUL | NULL | |

4 rows in set (0.025 sec)

Time:

create table time (time_id int(11) primary key, timming time);

```
MariaDB [train]> DESC time;
```

| Field | Type | Null | Key | Default | Extra |
|---------|---------|------|-----|---------|-------|
| time_id | int(11) | NO | PRI | NULL | |
| timming | time | YES | | NULL | |

2 rows in set (0.019 sec)

Train_status:

create table train_status (location int(11) primary key, train_id int(11), station_id int(11), time_id int(11));

alter table train_status add constraint fk_trainid foreign key (train_id) references train(train_id);

alter table train_status add constraint fk_stationid1 foreign key (station_id) references station(station_id);

alter table train_status add constraint fk_timeid foreign key (time_id) references time(time_id);

```
MariaDB [train]> DESC train_status;
```

| Field | Type | Null | Key | Default | Extra |
|------------|---------|------|-----|---------|-------|
| location | int(11) | NO | PRI | NULL | |
| train_id | int(11) | YES | MUL | NULL | |
| station_id | int(11) | YES | MUL | NULL | |
| time_id | int(11) | YES | MUL | NULL | |

4 rows in set (0.009 sec)

Content of Tables

User :

```
MariaDB [train]> SELECT * FROM user;
```

| user_id | name | email |
|---------|---------|-------------------|
| 1 | Ajay | ajay@gmail.com |
| 2 | Abhay | abhay@mail.com |
| 3 | Brijesh | brijesh@email.com |
| 4 | Chetan | chetan@yahoo.in |
| 5 | Dhawal | dhawal@hotmail.co |
| 6 | Rumit | rumit@mail.com |
| 7 | Varsha | varsha@itved.com |
| 8 | Neha | neha@kaggel.com |
| 9 | Mihir | mihir@mail.com |
| 10 | Shree | shree@gmail.com |

10 rows in set (0.003 sec)

Passenger :

```
MariaDB [train]> SELECT * FROM passenger;;
```

| passenger_id | user_id | ticket_id |
|--------------|---------|-----------|
| 1 | 4 | 24 |
| 2 | 10 | 35 |
| 3 | 3 | 30 |
| 4 | 1 | 16 |
| 5 | 2 | 33 |
| 6 | 5 | 36 |
| 7 | 6 | 37 |
| 8 | 7 | 42 |
| 9 | 8 | 16 |
| 10 | 9 | 31 |

10 rows in set (0.001 sec)

Station :

```
MariaDB [train]> SELECT * FROM station;
+-----+-----+
| station_id | station_name |
+-----+-----+
|          1 | Mumbai CSMT |
|          2 | Dadar Central |
|          3 | Thane |
|          4 | Kalyan Junction |
|          5 | Neral Junction |
|          6 | Karjat Junction |
|          7 | Khandala |
|          8 | Lonavala |
|          9 | Talegaon |
|         10 | Khakdi |
|         11 | Shivaji Nagar |
|         12 | Pune Junction |
+-----+-----+
12 rows in set (0.027 sec)
```

Train :

```
MariaDB [train]> SELECT * FROM train;
+-----+-----+
| train_id | train_name |
+-----+-----+
|          1 | Intercity SF Express |
|          2 | Deccan Express |
+-----+-----+
2 rows in set (0.000 sec)
```

Ticket :

```
MariaDB [train]> SELECT * FROM ticket;
+-----+-----+-----+-----+
| ticket_id | station_id_in | station_id_out | train_id |
+-----+-----+-----+-----+
|         16 |          1 |          12 |          1 |
|         18 |          1 |           7 |          1 |
|         20 |          3 |          12 |          1 |
|         22 |          7 |          12 |          1 |
|         23 |          5 |          11 |          1 |
|         24 |          2 |           6 |          1 |
|         25 |         10 |           3 |          1 |
|         26 |         11 |           2 |          1 |
|         27 |          9 |           6 |          1 |
|         28 |          7 |          12 |          1 |
|         29 |         11 |           4 |          1 |
|         30 |          6 |           2 |          1 |
|         31 |          1 |          12 |          2 |
|         32 |          1 |           7 |          2 |
|         33 |          3 |          12 |          2 |
|         34 |          7 |          12 |          2 |
|         35 |          5 |          11 |          2 |
|         36 |          2 |           6 |          2 |
|         37 |         10 |           3 |          2 |
|         38 |         11 |           5 |          2 |
|         39 |          9 |           3 |          2 |
|         40 |          7 |           9 |          2 |
|         41 |         11 |           3 |          2 |
|         42 |          6 |           1 |          2 |
+-----+-----+-----+-----+
24 rows in set (0.000 sec)
```

Time :

```
MariaDB [train]> SELECT * FROM time;
```

| time_id | timming |
|---------|----------|
| 1 | 07:00:00 |
| 2 | 07:15:00 |
| 3 | 07:30:00 |
| 4 | 07:45:00 |
| 5 | 08:00:00 |
| 6 | 08:15:00 |
| 7 | 08:30:00 |
| 8 | 08:45:00 |
| 9 | 09:00:00 |
| 10 | 09:15:00 |
| 11 | 09:30:00 |
| 12 | 09:45:00 |
| 13 | 10:00:00 |
| 14 | 10:15:00 |
| 15 | 10:30:00 |
| 16 | 10:45:00 |
| 17 | 11:00:00 |
| 18 | 11:15:00 |
| 19 | 11:30:00 |
| 20 | 12:00:00 |
| 21 | 12:15:00 |
| 22 | 12:30:00 |
| 23 | 12:45:00 |
| 24 | 13:00:00 |
| 25 | 13:15:00 |
| 26 | 13:30:00 |
| 27 | 13:45:00 |
| 28 | 14:00:00 |
| 29 | 14:15:00 |
| 30 | 14:30:00 |
| 31 | 14:45:00 |
| 32 | 15:00:00 |
| 33 | 15:15:00 |
| 34 | 15:30:00 |
| 35 | 15:45:00 |
| 36 | 16:00:00 |
| 37 | 16:15:00 |
| 38 | 16:30:00 |
| 39 | 16:45:00 |
| 40 | 17:00:00 |

```
40 rows in set (0.000 sec)
```


Train_Status :

```
MariaDB [train]> SELECT * FROM train_status;
```

| location | train_id | station_id | time_id |
|----------|----------|------------|---------|
| 1 | 1 | 1 | 5 |
| 2 | 1 | 2 | 6 |
| 3 | 1 | 3 | 7 |
| 7 | 1 | 4 | 8 |
| 8 | 1 | 5 | 9 |
| 9 | 1 | 6 | 10 |
| 10 | 1 | 7 | 11 |
| 11 | 1 | 8 | 12 |
| 12 | 1 | 9 | 13 |
| 13 | 1 | 10 | 14 |
| 14 | 1 | 11 | 15 |
| 15 | 1 | 12 | 16 |
| 16 | 1 | 1 | 17 |
| 17 | 1 | 1 | 18 |
| 18 | 1 | 2 | 19 |
| 19 | 1 | 3 | 20 |
| 20 | 1 | 4 | 21 |
| 21 | 1 | 5 | 23 |
| 22 | 1 | 6 | 22 |
| 23 | 1 | 7 | 21 |
| 24 | 1 | 8 | 20 |
| 25 | 1 | 9 | 19 |
| 26 | 1 | 10 | 18 |
| 27 | 1 | 11 | 17 |
| 28 | 2 | 2 | 13 |
| 29 | 2 | 3 | 14 |
| 30 | 2 | 4 | 15 |
| 31 | 2 | 5 | 16 |
| 32 | 2 | 6 | 17 |
| 33 | 2 | 7 | 18 |
| 34 | 2 | 8 | 19 |
| 35 | 2 | 9 | 20 |
| 36 | 2 | 10 | 21 |
| 37 | 2 | 11 | 22 |
| 38 | 2 | 12 | 23 |
| 39 | 2 | 11 | 24 |
| 40 | 2 | 10 | 25 |
| 41 | 2 | 9 | 26 |
| 42 | 2 | 8 | 27 |
| 43 | 2 | 7 | 28 |
| 44 | 2 | 6 | 29 |
| 45 | 2 | 5 | 30 |
| 46 | 2 | 4 | 31 |
| 47 | 2 | 3 | 32 |
| 48 | 2 | 2 | 33 |
| 49 | 2 | 1 | 34 |

46 rows in set (0.000 sec)

Subqueries

Locate the train at a particular time:

select station_name from station where station_id in (select station_id from train_status where time_id = (select time_id from time where timing='09:30:00') and train_id = (select train_id from train where train_name="Intercity SF Express"));

```
MariaDB [train]> select station_name from station where station_id in (select station_id from train_status where
-> time_id = (select time_id from time where timing='09:30:00') and train_id = (select train_id
-> from train where train_name="Intercity SF Express" ) );
+-----+
| station_name |
+-----+
| Khandala     |
+-----+
1 row in set (0.001 sec)
```

Location from where the individual is travelling:

select station_name from station where station_id in (select station_id_in from ticket where ticket_id = (select ticket_id from passenger where user_id = (select user_id from user where name = 'abhay'))) union select station_name from station where station_id in (select station_id_out from ticket where ticket_id = (select ticket_id from passenger where user_id = (select user_id from user where name = 'abhay')));

```
MariaDB [train]> select station_name from station where station_id in (select station_id_in from ticket
-> where ticket_id = (select ticket_id from passenger where user_id = (select user_id from
-> user where name = 'abhay' ))) union select station_name from station where station_id
-> in (select station_id_out from ticket where ticket_id = (select ticket_id from passenger
-> where user_id = (select user_id from user where name = 'abhay' )));
+-----+
| station_name |
+-----+
| Thane        |
| Pune Junction|
+-----+
2 rows in set (0.014 sec)
```

Name of the train from which user is travelling:

select user.name , train.train_name from user ,train where user_id=(select user_id from user where name = 'dhawal') and train_id = (select train_id from ticket where ticket_id = (select ticket_id from passenger where user_id = (select user_id from user where name = 'dhawal')));

```
MariaDB [train]> select user.name , train.train_name from user ,train where
-> user_id=(select user_id from user where name = 'dhawal') and train_id =
-> (select train_id from ticket where ticket_id =
-> (select ticket_id from passenger where user_id = (select user_id from user where name = 'dhawal') ));
```

| name | train_name |
|--------|----------------|
| Dhawal | Deccan Express |

```
1 row in set (0.000 sec)
```

Joins

Joining ticket with train and station name to understand where passengers are travelling and by which train:

```
SELECT ticket.ticket_id, station.station_name, train.train_name FROM ticket join station ON ticket.station_id_in = station.station_id or ticket.station_id_out = station.station_id join train ON train.train_id = ticket.train_id order by ticket.ticket_id;
```

```
MariaDB [train]> SELECT ticket.ticket_id, station.station_name, train.train_name FROM ticket
join station ON ticket.station_id_in = station.station_id or ticket.station_id_out = station.
station_id join train ON train.train_id = ticket.train_id order by ticket.ticket_id;
```

| ticket_id | station_name | train_name |
|-----------|-----------------|----------------------|
| 16 | Mumbai CSMT | Intercity SF Express |
| 16 | Pune Junction | Intercity SF Express |
| 18 | Mumbai CSMT | Intercity SF Express |
| 18 | Khandala | Intercity SF Express |
| 20 | Pune Junction | Intercity SF Express |
| 20 | Thane | Intercity SF Express |
| 22 | Khandala | Intercity SF Express |
| 22 | Pune Junction | Intercity SF Express |
| 23 | Neral Junction | Intercity SF Express |
| 23 | Shivaji Nagar | Intercity SF Express |
| 24 | Dadar Central | Intercity SF Express |
| 24 | Karjat Junction | Intercity SF Express |
| 25 | Thane | Intercity SF Express |
| 25 | Khakdi | Intercity SF Express |
| 26 | Dadar Central | Intercity SF Express |
| 26 | Shivaji Nagar | Intercity SF Express |
| 27 | Karjat Junction | Intercity SF Express |
| 27 | Talegaon | Intercity SF Express |
| 28 | Khandala | Intercity SF Express |
| 28 | Pune Junction | Intercity SF Express |
| 29 | Shivaji Nagar | Intercity SF Express |
| 29 | Kalyan Junction | Intercity SF Express |
| 30 | Dadar Central | Intercity SF Express |
| 30 | Karjat Junction | Intercity SF Express |
| 31 | Mumbai CSMT | Deccan Express |
| 31 | Pune Junction | Deccan Express |
| 32 | Mumbai CSMT | Deccan Express |
| 32 | Khandala | Deccan Express |
| 33 | Thane | Deccan Express |
| 33 | Pune Junction | Deccan Express |
| 34 | Khandala | Deccan Express |
| 34 | Pune Junction | Deccan Express |
| 35 | Neral Junction | Deccan Express |
| 35 | Shivaji Nagar | Deccan Express |
| 36 | Dadar Central | Deccan Express |
| 36 | Karjat Junction | Deccan Express |
| 37 | Khakdi | Deccan Express |
| 37 | Thane | Deccan Express |
| 38 | Neral Junction | Deccan Express |
| 38 | Shivaji Nagar | Deccan Express |
| 39 | Thane | Deccan Express |
| 39 | Talegaon | Deccan Express |
| 40 | Khandala | Deccan Express |
| 40 | Talegaon | Deccan Express |
| 41 | Thane | Deccan Express |
| 41 | Shivaji Nagar | Deccan Express |
| 42 | Mumbai CSMT | Deccan Express |
| 42 | Karjat Junction | Deccan Express |

```
48 rows in set (0.009 sec)
```

Joining train_status to train location, train, and it's time to understand train schedule according to train location and train name:

select train_status.location, train.train_name, station.station_name, time.timing from train_status join train on train_status.train_id = train.train_id join station on train_status.station_id = station.station_id join time on train_status.time_id = time.time_id order by time.timing;

```
MariaDB [train]> select train_status.location, train.train_name, station.station_name, time.timing from train_status join train on train_status.train_id = train.train_id join station on train_status.station_id = station.station_id join time on train_status.time_id = time.time_id order by time.timing;
```

| location | train_name | station_name | timing |
|----------|----------------------|-----------------|----------|
| 1 | Intercity SF Express | Mumbai CSMT | 08:00:00 |
| 2 | Intercity SF Express | Dadar Central | 08:15:00 |
| 3 | Intercity SF Express | Thane | 08:30:00 |
| 7 | Intercity SF Express | Kalyan Junction | 08:45:00 |
| 8 | Intercity SF Express | Neral Junction | 09:00:00 |
| 9 | Intercity SF Express | Karjat Junction | 09:15:00 |
| 10 | Intercity SF Express | Khandala | 09:30:00 |
| 11 | Intercity SF Express | Lonavala | 09:45:00 |
| 12 | Intercity SF Express | Talegaon | 10:00:00 |
| 28 | Deccan Express | Dadar Central | 10:00:00 |
| 29 | Deccan Express | Thane | 10:15:00 |
| 13 | Intercity SF Express | Khakdi | 10:15:00 |
| 14 | Intercity SF Express | Shivaji Nagar | 10:30:00 |
| 30 | Deccan Express | Kalyan Junction | 10:30:00 |
| 15 | Intercity SF Express | Pune Junction | 10:45:00 |
| 31 | Deccan Express | Neral Junction | 10:45:00 |
| 27 | Intercity SF Express | Shivaji Nagar | 11:00:00 |
| 32 | Deccan Express | Karjat Junction | 11:00:00 |
| 16 | Intercity SF Express | Mumbai CSMT | 11:00:00 |
| 17 | Intercity SF Express | Mumbai CSMT | 11:15:00 |
| 33 | Deccan Express | Khandala | 11:15:00 |
| 26 | Intercity SF Express | Khakdi | 11:15:00 |
| 18 | Intercity SF Express | Dadar Central | 11:30:00 |
| 34 | Deccan Express | Lonavala | 11:30:00 |
| 25 | Intercity SF Express | Talegaon | 11:30:00 |
| 24 | Intercity SF Express | Lonavala | 12:00:00 |
| 19 | Intercity SF Express | Thane | 12:00:00 |
| 35 | Deccan Express | Talegaon | 12:00:00 |
| 36 | Deccan Express | Khakdi | 12:15:00 |
| 23 | Intercity SF Express | Khandala | 12:15:00 |
| 20 | Intercity SF Express | Kalyan Junction | 12:15:00 |
| 22 | Intercity SF Express | Karjat Junction | 12:30:00 |
| 37 | Deccan Express | Shivaji Nagar | 12:30:00 |
| 38 | Deccan Express | Pune Junction | 12:45:00 |
| 21 | Intercity SF Express | Neral Junction | 12:45:00 |
| 39 | Deccan Express | Shivaji Nagar | 13:00:00 |
| 40 | Deccan Express | Khakdi | 13:15:00 |
| 41 | Deccan Express | Talegaon | 13:30:00 |
| 42 | Deccan Express | Lonavala | 13:45:00 |
| 43 | Deccan Express | Khandala | 14:00:00 |
| 44 | Deccan Express | Karjat Junction | 14:15:00 |
| 45 | Deccan Express | Neral Junction | 14:30:00 |
| 46 | Deccan Express | Kalyan Junction | 14:45:00 |
| 47 | Deccan Express | Thane | 15:00:00 |
| 48 | Deccan Express | Dadar Central | 15:15:00 |
| 49 | Deccan Express | Mumbai CSMT | 15:30:00 |

46 rows in set (0.023 sec)

Views

Using views to store above joined tables for future references:

create view ticket_info as SELECT ticket.ticket_id, station.station_name as boarding, station.station_name as deboarding, train.train_name FROM ticket join station ON ticket.station_id_in = station.station_id or ticket.station_id_out = station.station_id join train ON train.train_id = ticket.train_id order by ticket.ticket_id;

```
MariaDB [train]> create view ticket_info as SELECT ticket.ticket_id, station.station_name as boarding, station.station_name as deboarding, train.train_name FROM ticket join station ON ticket.station_id_in = station.station_id or ticket.station_id_out = station.station_id join train ON train.train_id = ticket.train_id order by ticket.ticket_id;
Query OK, 0 rows affected (0.025 sec)
```

```
MariaDB [train]> select * from ticket_info;
```

| ticket_id | boarding | deboarding | train_name |
|-----------|-----------------|-----------------|----------------------|
| 16 | Mumbai CSMT | Mumbai CSMT | Intercity SF Express |
| 16 | Pune Junction | Pune Junction | Intercity SF Express |
| 18 | Khandala | Khandala | Intercity SF Express |
| 18 | Mumbai CSMT | Mumbai CSMT | Intercity SF Express |
| 20 | Thane | Thane | Intercity SF Express |
| 20 | Pune Junction | Pune Junction | Intercity SF Express |
| 22 | Khandala | Khandala | Intercity SF Express |
| 22 | Pune Junction | Pune Junction | Intercity SF Express |
| 23 | Neral Junction | Neral Junction | Intercity SF Express |
| 23 | Shivaji Nagar | Shivaji Nagar | Intercity SF Express |
| 24 | Dadar Central | Dadar Central | Intercity SF Express |
| 24 | Karjat Junction | Karjat Junction | Intercity SF Express |
| 25 | Khakdi | Khakdi | Intercity SF Express |
| 25 | Thane | Thane | Intercity SF Express |
| 26 | Dadar Central | Dadar Central | Intercity SF Express |
| 26 | Shivaji Nagar | Shivaji Nagar | Intercity SF Express |
| 27 | Karjat Junction | Karjat Junction | Intercity SF Express |
| 27 | Talegaon | Talegaon | Intercity SF Express |
| 28 | Pune Junction | Pune Junction | Intercity SF Express |
| 28 | Khandala | Khandala | Intercity SF Express |
| 29 | Kalyan Junction | Kalyan Junction | Intercity SF Express |
| 29 | Shivaji Nagar | Shivaji Nagar | Intercity SF Express |
| 30 | Dadar Central | Dadar Central | Intercity SF Express |
| 30 | Karjat Junction | Karjat Junction | Intercity SF Express |
| 31 | Mumbai CSMT | Mumbai CSMT | Deccan Express |
| 31 | Pune Junction | Pune Junction | Deccan Express |
| 32 | Mumbai CSMT | Mumbai CSMT | Deccan Express |
| 32 | Khandala | Khandala | Deccan Express |
| 33 | Pune Junction | Pune Junction | Deccan Express |
| 33 | Thane | Thane | Deccan Express |
| 34 | Khandala | Khandala | Deccan Express |
| 34 | Pune Junction | Pune Junction | Deccan Express |
| 35 | Neral Junction | Neral Junction | Deccan Express |
| 35 | Shivaji Nagar | Shivaji Nagar | Deccan Express |
| 36 | Karjat Junction | Karjat Junction | Deccan Express |
| 36 | Dadar Central | Dadar Central | Deccan Express |
| 37 | Thane | Thane | Deccan Express |
| 37 | Khakdi | Khakdi | Deccan Express |
| 38 | Neral Junction | Neral Junction | Deccan Express |
| 38 | Shivaji Nagar | Shivaji Nagar | Deccan Express |
| 39 | Thane | Thane | Deccan Express |
| 39 | Talegaon | Talegaon | Deccan Express |
| 40 | Khandala | Khandala | Deccan Express |
| 40 | Talegaon | Talegaon | Deccan Express |
| 41 | Shivaji Nagar | Shivaji Nagar | Deccan Express |
| 41 | Thane | Thane | Deccan Express |
| 42 | Mumbai CSMT | Mumbai CSMT | Deccan Express |
| 42 | Karjat Junction | Karjat Junction | Deccan Express |

```
48 rows in set (0.003 sec)
```

create view schedule as select train_status.location, train.train_name, station.station_name, time.timing from train_status join train on train_status.train_id = train.train_id join station on train_status.station_id = station.station_id join time on train_status.time_id = time.time_id order by time.timing;

```
MariaDB [train]> create view schedule as select train_status.location, train.train_name, station.station_name, time.timing from train_status join train on train_status.train_id = train.train_id join station on train_status.station_id = station.station_id join time on train_status.time_id = time.time_id order by time.timing;
Query OK, 0 rows affected (0.026 sec)
```

```
MariaDB [train]> select * from schedule;
```

| | location | train_name | station_name | timing |
|----|----------|----------------------|-----------------|----------|
| 1 | | Intercity SF Express | Mumbai CSMT | 08:00:00 |
| 2 | | Intercity SF Express | Dadar Central | 08:15:00 |
| 3 | | Intercity SF Express | Thane | 08:30:00 |
| 7 | | Intercity SF Express | Kalyan Junction | 08:45:00 |
| 8 | | Intercity SF Express | Neral Junction | 09:00:00 |
| 9 | | Intercity SF Express | Karjat Junction | 09:15:00 |
| 10 | | Intercity SF Express | Khandala | 09:30:00 |
| 11 | | Intercity SF Express | Lonavala | 09:45:00 |
| 12 | | Intercity SF Express | Talegaon | 10:00:00 |
| 28 | | Deccan Express | Dadar Central | 10:00:00 |
| 29 | | Deccan Express | Thane | 10:15:00 |
| 13 | | Intercity SF Express | Khakdi | 10:15:00 |
| 14 | | Intercity SF Express | Shivaji Nagar | 10:30:00 |
| 30 | | Deccan Express | Kalyan Junction | 10:30:00 |
| 15 | | Intercity SF Express | Pune Junction | 10:45:00 |
| 31 | | Deccan Express | Neral Junction | 10:45:00 |
| 27 | | Intercity SF Express | Shivaji Nagar | 11:00:00 |
| 32 | | Deccan Express | Karjat Junction | 11:00:00 |
| 16 | | Intercity SF Express | Mumbai CSMT | 11:00:00 |
| 17 | | Intercity SF Express | Mumbai CSMT | 11:15:00 |
| 33 | | Deccan Express | Khandala | 11:15:00 |
| 26 | | Intercity SF Express | Khakdi | 11:15:00 |
| 18 | | Intercity SF Express | Dadar Central | 11:30:00 |
| 34 | | Deccan Express | Lonavala | 11:30:00 |
| 25 | | Intercity SF Express | Talegaon | 11:30:00 |
| 24 | | Intercity SF Express | Lonavala | 12:00:00 |
| 19 | | Intercity SF Express | Thane | 12:00:00 |
| 35 | | Deccan Express | Talegaon | 12:00:00 |
| 36 | | Deccan Express | Khakdi | 12:15:00 |
| 23 | | Intercity SF Express | Khandala | 12:15:00 |
| 20 | | Intercity SF Express | Kalyan Junction | 12:15:00 |
| 22 | | Intercity SF Express | Karjat Junction | 12:30:00 |
| 37 | | Deccan Express | Shivaji Nagar | 12:30:00 |
| 38 | | Deccan Express | Pune Junction | 12:45:00 |
| 21 | | Intercity SF Express | Neral Junction | 12:45:00 |
| 39 | | Deccan Express | Shivaji Nagar | 13:00:00 |
| 40 | | Deccan Express | Khakdi | 13:15:00 |
| 41 | | Deccan Express | Talegaon | 13:30:00 |
| 42 | | Deccan Express | Lonavala | 13:45:00 |
| 43 | | Deccan Express | Khandala | 14:00:00 |
| 44 | | Deccan Express | Karjat Junction | 14:15:00 |
| 45 | | Deccan Express | Neral Junction | 14:30:00 |
| 46 | | Deccan Express | Kalyan Junction | 14:45:00 |
| 47 | | Deccan Express | Thane | 15:00:00 |
| 48 | | Deccan Express | Dadar Central | 15:15:00 |
| 49 | | Deccan Express | Mumbai CSMT | 15:30:00 |

```
46 rows in set (0.003 sec)
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