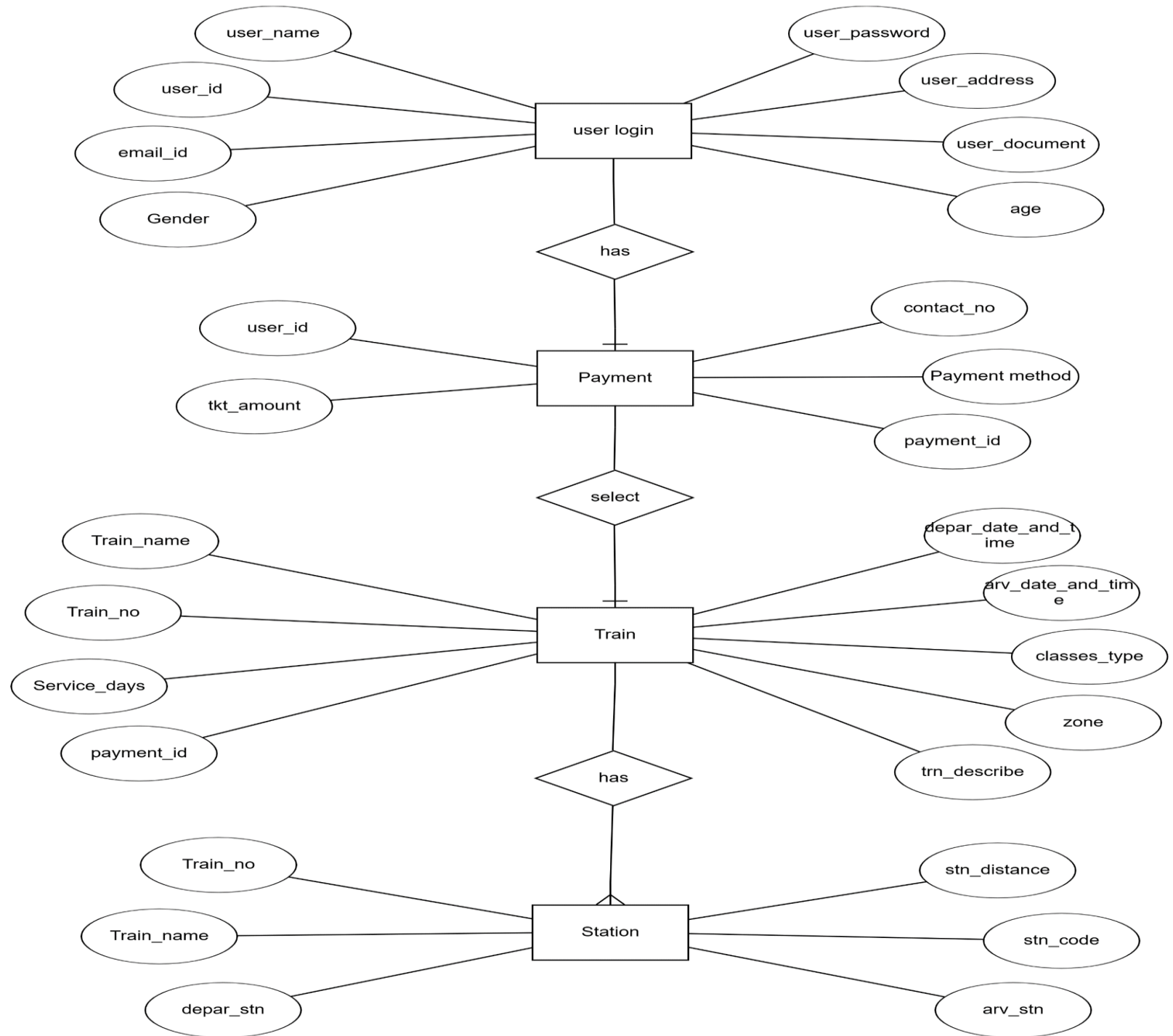# RAILWAY TRAIN ENQUIRY SYSTEM

INTRODUCTION

The Railway Train Enquiry system is an online enquiry system that is developed for solving customer problem related to train about its information like train name ,number ,time table, and service days. It also includes various types of payment method for customer to choose.

ERD DIAGRAM:

STRUCTURE OF TABLES

.

1)USER _LOGIN: In this table contents all the information of user need to login:

```
MariaDB [railway_e]> create table user_login(user_name varchar(20),user_id varchar(20) primary key,email_id varchar(50),gender varchar(20),age int,user_document varchar(20),user_address varchar(20),user_password
 varchar(20));
Query OK, 0 rows affected (0.010 sec)

MariaDB [railway_e]> desc user_login;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| user_name     | varchar(20) | YES  |     | NULL    |       |
| user_id       | varchar(20) | NO   | PRI | NULL    |       |
| email_id      | varchar(50) | YES  |     | NULL    |       |
| gender        | varchar(20) | YES  |     | NULL    |       |
| age           | int(11)     | YES  |     | NULL    |       |
| user_document | varchar(20) | YES  |     | NULL    |       |
| user_address  | varchar(20) | YES  |     | NULL    |       |
| user_password | varchar(20) | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
8 rows in set (0.004 sec)
```

2)Payment

In this table given the information related to payment that how user can do fare payment to railway

```
MariaDB [railway_e]> create table payment(user_id varchar(20),constraint abc foreign key yyz(user_id) references user_login(user_id),tkt_amount int(20),contact_no int(20),payment_method varchar(20),payment_id in
t(10) primary key);
Query OK, 0 rows affected (0.015 sec)

MariaDB [railway_e]> desc payment;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| user_id        | varchar(20) | YES  | MUL | NULL    |       |
| tkt_amount     | int(20)     | YES  |     | NULL    |       |
| contact_no     | int(20)     | YES  |     | NULL    |       |
| payment_method | varchar(20) | YES  |     | NULL    |       |
| payment_id     | int(10)     | NO   | PRI | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
5 rows in set (0.006 sec)
```

3)Train

- In this table given the information about train

```
MariaDB [railway_e]> create table train(payment_id int(10),constraint tta foreign key dda(payment_id) references payment(payment_id),train_no int(20) primary key, train_name varchar(50),service_day varchar(20),d
epar_date_and_time varchar(50),arv_date_and_time varchar(50),class_type varchar(30),zone varchar(20),trn_describe varchar(20));
Query OK, 0 rows affected (0.015 sec)

MariaDB [railway_e]> desc train;
+--------------------+-------------+------+-----+---------+-------+
| Field              | Type        | Null | Key | Default | Extra |
+--------------------+-------------+------+-----+---------+-------+
| payment_id         | int(10)     | YES  | MUL | NULL    |       |
| train_no           | int(20)     | NO   | PRI | NULL    |       |
| train_name         | varchar(50) | YES  |     | NULL    |       |
| service_day        | varchar(20) | YES  |     | NULL    |       |
| depar_date_and_time | varchar(50) | YES  |     | NULL    |       |
| arv_date_and_time  | varchar(50) | YES  |     | NULL    |       |
| class_type         | varchar(30) | YES  |     | NULL    |       |
| zone               | varchar(20) | YES  |     | NULL    |       |
| trn_describe       | varchar(20) | YES  |     | NULL    |       |
+--------------------+-------------+------+-----+---------+-------+
9 rows in set (0.005 sec)
```

4)station:

In this table given all the details of station.

```
MariaDB [railway_e]> create table station(train_no int(20),constraint sst foreign key gts(train_no) references train(train_no),train_name varchar(50),depar_stn varchar(30),arv_stn varchar(30),stn_dis int(20),stn
_code varchar(20) primary key);
Query OK, 0 rows affected (0.012 sec)

MariaDB [railway_e]> desc station;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| train_no   | int(20)     | YES  | MUL | NULL    |       |
| train_name | varchar(50) | YES  |     | NULL    |       |
| depar_stn  | varchar(30) | YES  |     | NULL    |       |
| arv_stn    | varchar(30) | YES  |     | NULL    |       |
| stn_dis    | int(20)     | YES  |     | NULL    |       |
| stn_code   | varchar(20) | NO   | PRI | NULL    |       |
+------------+-------------+------+-----+---------+-------+
6 rows in set (0.005 sec)
```

CONTENTS OF TABLES

❖ USER_LOGIN :

```
MariaDB [railway_e]> insert into user_login values('pratik_jinturkar','jinturakar041', 'pratikjint@gmail.com','male',23,'aadhar','vashi','pratik351');
Query OK, 1 row affected (0.002 sec)

MariaDB [railway_e]> select * from user_login;
+------------------+--------------+-----------------------------+--------+------+---------------+--------------+----------------+
| user_name        | user_id      | email_id                    | gender | age  | user_document | user_address | user_password  |
+------------------+--------------+-----------------------------+--------+------+---------------+--------------+----------------+
| aakancha_jadhav  | aakancha50   | jadhavaakancha25@gmail.com  | female |   31 | aadhar        | thane        | aakanchaj278   |
| aakash_jadhav    | aakash50     | jadhavaakash25@gmail.com    | male   |   31 | aadhar        | thane        | down278        |
| ashok_prajapti   | ashok50      | ashokprajapti@gmail.com     | male   |   38 | aadhar        | chennai      | ashokp4091     |
| deepali_sharmaa  | deepa56      | deepalisharma88@gmail.com   | female |   26 | aadhar        | sultanpur    | sharmad2002    |
| diksha_kothari   | diksha91     | kotharid26@gmail.com        | female |   28 | pan           | dadar        | kthdik         |
| umesh_dixit      | dixit035     | umeshdixit@gmail.com        | male   |   34 | aadhar        | noida        | noida251       |
| rohit_dubey      | dubey34      | dubeyrohit026@gmail.com     | male   |   25 | dri_lic       | thakurli     | rohitd47       |
| ramesh_jadhav    | jadhav012    | rameshjadhav076@gmail.com   | male   |   27 | drv_lic       | kalamboli    | jadv721        |
| jaybind_yadav    | jaybind045   | jaybind87@gmail.com         | male   |   40 | voterid       | varanasi     | yadav1989      |
| pratik_jinturkar | jinturakar041| pratikjint@gmail.com        | male   |   23 | aadhar        | vashi        | pratik351      |
| aniljoshi        | joshi123     | aniljoshi76@gmail.com       | male   |   23 | pan           | delhi        | admin          |
| anil_joshi       | joshi321     | aniljoshi76@gmail.com       | male   |   23 | pan           | delhi        | admin          |
| pooja_yadav      | pooja67      | poojayadav@gmail.com        | female |   29 | pan           | allahabad    | pooja58        |
| rakesh_prajapti  | prajapti     | prajapti12@gmail.com        | male   |   38 | drv_lic       | nashik       | prajapti90     |
| priya_ingle      | priya26      | priyaingle80@gmail.com      | female |   34 | aadhar        | turbhe       | priyain256     |
| punit_pujari     | punit56      | punit071@gmail.com          | male   |   25 | aadhar        | thane        | abc123         |
| shiva_rathod     | rathod411    | shivarathod79@gmail.com     | male   |   26 | drv_lic       | banglore     | shiva001       |
| sachin_kadam     | sachin153    | kadamsachin89@gmail.com     | male   |   32 | pan           | kalyan       | sachinkdm1998  |
| samiksha_dubey   | samidubey60  | samiksha85@gmail.com        | female |   29 | voterid       | varanasi     | dubey74        |
| sanchit          | san21        | sanchit096@gmail.com        | male   |   29 | drv_lic       | jalgaon      | hitsan45       |
| vikas_sawant     | sawant10     | sawant7956@gmail.com        | male   |   18 | aadhar        | mumbai       | sawrika        |
| prachi_singh     | singh092     | prachi65@gmail.com          | female |   30 | voterid       | sultanpur    | prachi036      |
| sunil_kedare     | sunil2002    | kedaresun70@gmail.com       | male   |   38 | pan           | vashi        | ked124         |
| anuj_tiwari      | tiwari70     | tiwarianu30@gmail.com       | male   |   32 | pan           | thane        | charlie20      |
| avinash_yadav    | yadav21      | avinyadav06@gmail.com       | male   |   27 | aadhar        | chennai      | welcome7       |
+------------------+--------------+-----------------------------+--------+------+---------------+--------------+----------------+
25 rows in set (0.001 sec)
```

❖ Payment :

```
MariaDB [railway_e]> select * from payment;
+---------------+------------+-------------+----------------+------------+
| user_id       | tkt_amount | contact_no  | payment_method | payment_id |
+---------------+------------+-------------+----------------+------------+
| prajapti      |       3035 | 7749205120  | phonepe        |        351 |
| pooja67       |       2030 | 7021975541  | phonepe        |        435 |
| sunil2002     |       4590 | 7966362012  | gpay           |       1506 |
| diksha91      |       2250 | 9890923504  | gpay           |       2013 |
| aakash50      |       4620 | 8655195917  | bharatpay      |       2058 |
| sawant10      |       2045 | 9003183301  | phonepe        |       2112 |
| singh092      |       2060 | 9089004925  | gpay           |       2215 |
| jaybind045    |       4430 | 8993222790  | phonepe        |       2250 |
| priya26       |       1900 | 9363492815  | phonepe        |       2860 |
| ashok50       |       2050 | 6345556071  | phonepe        |       3075 |
| joshi321      |       3590 | 9004536200  | netbanking     |       3230 |
| jadhav012     |       2840 | 7749452610  | phonepe        |       3314 |
| san21         |       5200 | 7720426421  | gpay           |       3321 |
| samidubey60   |       4400 | 8956426204  | gpay           |       3670 |
| deepa56       |       1780 | 9331621664  | paytm          |       4302 |
| aakancha50    |       3750 | 2147483647  | phonepe        |       4319 |
| jinturakar041 |       3460 | 7021556374  | gpay           |       4432 |
| punit56       |       2500 | 8321054321  | gpay           |       4903 |
| joshi123      |       4390 | 8063454219  | netbanking     |       5570 |
| dixit035      |       2700 | 9331441321  | gpay           |       5707 |
| sachin153     |       3250 | 8045126501  | gpay           |       6770 |
| dubey34       |       3600 | 7977351424  | phonepe        |       6801 |
| rathod411     |       2700 | 6394967071  | phonepe        |       8830 |
| tiwari70      |       3780 | 7361568289  | netbanking     |       8926 |
| yadav21       |       3950 | 9051200513  | netbanking     |       9021 |
+---------------+------------+-------------+----------------+------------+
25 rows in set (0.001 sec)
```

❖ train

```
MariaDB [railway_e]> select * from train;
+------------+----------+------------------------+-------------+------------------------+------------------------+------------------+------+------------------------+
| payment_id | train_no | train_name             | service_day | depar_date_and_time    | arv_date_and_time      | class_type       | zone | trn_describe           |
+------------+----------+------------------------+-------------+------------------------+------------------------+------------------+------+------------------------+
|       9021 |     2187 | rewa csmt spl          | M T F S S   | 2022-04-20 / 11:30 am  | 2022-04-21 / 19:50 pm  | 1a 2a 3a         | WCR  | rewa to csmt           |
|       4432 |     3415 | sahibaganj exp         | M T F S S   | 2022-07-14 / 08:50 pm  | 2022-07-15 / 15:00 am  | 1a 2a 3a sl      | ER   | sahibaganj to anand    |
|        435 |    10112 | konkan kanya exp       | all days    | 2022-05-15 / 12:45 am  | 2022-05-16 / 16:00 am  | 1a 2a 3a sl gn   | CR   | madgaon to cstm        |
|       4319 |    11027 | dadar pvr exp          | M T F S S   | 2022-07-13 / 06:50 pm  | 2022-07-14 / 18:00 am  | 1a 2a 3a sl      | CR   | dadar to pandharpur    |
|       6770 |    11034 | darbhanga pune exp     | M T F S     | 2022-05-10 / 09:50 am  | 2022-05-11 / 08:50 pm  | 1a 2a 3a sl      | CR   | dbg to pune jn         |
|       8926 |    11039 | maharashtra exp        | M T F S     | 2022-04-23 / 11:00 am  | 2022-04-24 / 13:50 pm  | 1a 2a 3a         | CR   | c shahumaharaj t to    |
|       2112 |    11043 | madurai exp            | M T F S     | 2022-03-12 / 15:45 am  | 2022-03-13 / 09:00 pm  | 1a 2a 3a sl gn   | CR   | ltt to madurai         |
|        351 |    11093 | mahanagri exp          | all days    | 2022-05-14 / 13:45 am  | 2022-05-15 / 17:00 am  | 1a 2a 3a sl gn   | CR   | cst to bsb             |
|       5707 |    12009 | shatabdi exp           | M T F S     | 2022-08-12 / 11:50 am  | 2022-08-13 / 04:50 pm  | 1a 2a 3a sl      | WR   | mumbai central to a    |
|       3230 |    12106 | vidarbha exp           | M T F S S   | 2022-08-15 / 08:50 am  | 2022-08-16 / 10:00 am  | 1a 2a 3a sl gn   | CR   | gondia to cstm         |
|       2013 |    12108 | sitapur ltt exp        | all days    | 2022-09-17 / 14:45 am  | 2022-09-18 / 07:00 pm  | 1a 2a 3a sl gn   | CR   | stp to ltt             |
|       3314 |    12138 | punjab mail            | M T F S S   | 2022-07-10 / 21:50 pm  | 2022-07-11 / 22:00 am  | 1a 2a 3a sl      | CR   | firozpur to cstm       |
|       3321 |    12150 | dnr pune exp           | M T F S S   | 2022-04-05 / 08:50 pm  | 2022-04-06 / 22:00 am  | 1a 2a 3a sl      | CR   | danapur to pune        |
|       2860 |    12163 | chennai exp            | M T F       | 2022-08-19 / 10:45 pm  | 2022-08-20 / 10:00 am  | 1a 2a 3a sl gn   | CR   | ltt to chennai         |
|       1506 |    12166 | gorakhpur ltt exp      | all days    | 2022-04-18 / 13:45 am  | 2022-05-19 / 07:00 pm  | 1a 2a 3a sl gn   | CR   | gkp to cstm            |
|       3670 |    12296 | sangha mitra exp       | M T F       | 2022-02-06 / 09:50 pm  | 2022-02-07 / 21:00 am  | 1a 2a 3a sl      | SWR  | danapur to benguluru   |
|       4903 |    12452 | shram shkti exp        | M T F S S   | 2022-03-06 / 23:55 pm  | 2022-04-07 / 06:00 am  | 1a 2a 3a sl      | NCR  | new delhi to kanpur    |
|       8830 |    12670 | gangakaveri exp        | M T F S     | 2022-04-26 / 01:50 am  | 2022-04-27 / 15:50 pm  | 1a 2a 3a sl      | SR   | chhapra to chennai     |
|       2250 |    12723 | telangana exp          | M T F       | 2022-04-19 / 12:45 pm  | 2022-04-20 / 10:00 am  | 1a 2a 3a sl gn   | CR   | hyd to new delhi       |
|       2058 |    12880 | bhubneswar mumbai ltt exp | all days | 2022-04-12 / 13:45 am  | 2022-04-13 / 08:00 pm  | 1a 2a 3a sl gn   | CR   | bbs to ltt             |
|       3075 |    12927 | vadodara exp           | M T F       | 2022-05-10 / 11:50 am  | 2022-05-11 / 09:00 pm  | 1a 2a 3a sl gn   | WR   | dadar to ekta nagar    |
|       6801 |    12937 | garbha exp             | M T F S     | 2022-09-20 / 07:50 pm  | 2022-09-21 / 03:50 pm  | 1a 2a 3a sl      | WR   | gandhinagar to howr    |
|       5570 |    13006 | amritsar hwh mail      | M T F S S   | 2022-09-11 / 10:55 am  | 2022-09-12 / 06:00 pm  | 1a 2a 3a sl      | ER   | new amritsar to how    |
|       4302 |    13430 | anvt mldt exp          | M T F       | 2022-06-15 / 05:50 pm  | 2022-06-16 / 17:00 am  | 1a 2a 3a sl      | ER   | anand vihar to malda   |
|       2215 |    22131 | gyan ganga exp         | M T F S     | 2022-04-14 / 03:45 pm  | 2022-04-15 / 09:00 am  | 1a 2a 3a sl gn   | CR   | pune to banaras        |
+------------+----------+------------------------+-------------+------------------------+------------------------+------------------+------+------------------------+
25 rows in set (0.001 sec)
```

❖ station

```
MariaDB [railway_e]> select * from station;
+----------+----------------------------+-----------------+-----------------------+---------+---------+
| train_no | train_name                 | depar_stn       | arv_stn               | stn_dis | stn_code |
+----------+----------------------------+-----------------+-----------------------+---------+---------+
|    12009 | shatabdi exp               | mumbai central  | ahmedabad jn          |     491 | adi     |
|     3415 | sahibganj exp              | sahibganj jn    | anand vihar trm       |    1287 | anvt    |
|    11093 | mahanagri exp              | cstm            | varanasi jn           |    1515 | bsb     |
|    22131 | gyan ganga exp             | pune jn         | banaras               |    1531 | bsbs    |
|    12670 | gangakaveri exp            | chhapra         | chennai central       |    2341 | chn     |
|    12452 | shram shkti exp            | new delhi       | kanpur central        |     441 | cnb     |
|    12106 | vidarbha exp               | gondia jn       | cstm                  |     967 | csmt    |
|     2187 | rewa csmt spl              | rewa            | cstm                  |     997 | cst     |
|    10112 | konkan kanya exp           | madgaon         | cstm                  |     765 | cstm    |
|    12927 | vadodara exp               | dadar           | ekta nagar            |     471 | eknr    |
|    11039 | maharashtra exp            | c shahumharaj t | gondia jn             |    1341 | gnd     |
|    12937 | garbha exp                 | gandhinagr      | howrah                |    2499 | hwh     |
|    13006 | amritsar hwh mail          | amritsar jn     | howrah jn             |    1910 | hwr     |
|    12166 | gorakhpur exp              | gorakhpur jn    | lokmanyatilak t       |    1731 | lkm     |
|    12108 | sitapur ltt exp            | sitapur         | ltt                   |    1498 | ltt     |
|    12163 | chennai exp                | lokmanya        | chennai central       |    1261 | mas     |
|    11043 | madurai exp                | lokmanyatilak t | madurai jn            |    1703 | mdu     |
|    13430 | anvt mldt exp              | anand vihar trm | malda town            |    1409 | mldt    |
|    12880 | bhubneswar mumbai ltt exp  | bhubaneswar     | lokmanyatilak t       |    1785 | mumb    |
|    12138 | punjab mail                | firozpur        | c shivaji maharaj t   |    1930 | mumbai  |
|    12723 | telangana exp              | hydrabad decan  | new delhi             |    1638 | ndls    |
|    11027 | dadar pvr exp              | dadar           | pandharpur            |     420 | pandh   |
|    12150 | dnr pune exp               | danapur         | pune jn               |    1748 | pun     |
|    11034 | darbhanga pune exp         | darbhanga jn    | pune jn               |    1947 | pune    |
|    12296 | sangha mitra exp           | danapur         | benguluru             |    2684 | smvb    |
+----------+----------------------------+-----------------+-----------------------+---------+---------+
25 rows in set (0.001 sec)
```

SUBQUERIES

1)Show the details of train where train_name="Maharashtra exp"?

- MariaDB [railway_e]> select train_name,service_day,zone,trn_describe from train where train_no in(select train_no from station where train_name="maharashtra exp");

```
+----------------+-------------+------+--------------------+
| train_name     | service_day | zone | trn_describe       |
+----------------+-------------+------+--------------------+
| maharashtra exp | M T F S    | CR   | c shahumaharaj t to |
+----------------+-------------+------+--------------------+
1 row in set (0.009 sec)
```

2)Show all the details of station where service day ="MTFSS"?

- MariaDB [railway_e]> select * from station where train_no in(select train_no from train where service_day="M T F S S");

```
+----------+------------------+--------------+-------------------+---------+----------+
| train_no | train_name       | depar_stn    | arv_stn           | stn_dis | stn_code |
+----------+------------------+--------------+-------------------+---------+----------+
|     3415 | sahibganj exp    | sahibganj jn | anand vihar trm   |    1287 | anvt     |
|    12452 | shram shkti exp  | new delhi    | kanpur central    |     441 | cnb      |
|    12106 | vidarbha exp     | gondia jn    | cstm              |     967 | csmt     |
|     2187 | rewa csmt spl    | rewa         | cstm              |     997 | cst      |
|    13006 | amritsar hwh mail| amritsar jn  | howrah jn         |    1910 | hwr      |
|    12138 | punjab mail      | firozpur     | c shivaji maharaj t |  1930 | mumbai   |
|    11027 | dadar pvr exp    | dadar        | pandharpur        |     420 | pandh    |
|    12150 | dnr pune exp     | danapur      | pune jn           |    1748 | pun      |
+----------+------------------+--------------+-------------------+---------+----------+
8 rows in set (0.001 sec)
```

3)Show class type of the train using user name?

- MariaDB [railway_e]> select class_type from train where payment_id in(select payment_id from payment where user_id in(select user_id from user_login where user_name="rohit_dubey"));

```
+---------------+
| class_type    |
+---------------+
| 1a 2a 3a sl   |
+---------------+
1 row in set (0.014 sec)
```

4)Show all the details of payment where age is more than 25 and having payment id greater than 2000?

- MariaDB [railway_e]> select * from payment where user_id in(select user_id from user_login where age>25) having payment_id>2000;

```
+--------------+--------------+--------------+----------------+--------------+
| user_id      | tkt_amount   | contact_no   | payment_method | payment_id   |
+--------------+--------------+--------------+----------------+--------------+
| diksha91     |         2250 | 9890923504   | gpay           |         2013 |
| aakash50     |         4620 | 8655195917   | bharatpay      |         2058 |
| singh092     |         2060 | 9089004925   | gpay           |         2215 |
| jaybind045   |         4430 | 8993222790   | phonepe        |         2250 |
| priya26      |         1900 | 9363492815   | phonepe        |         2860 |
| ashok50      |         2050 | 6345556071   | phonepe        |         3075 |
| jadhav012    |         2840 | 7749452610   | phonepe        |         3314 |
| san21        |         5200 | 7720426421   | gpay           |         3321 |
| samidubey60  |         4400 | 8956426204   | gpay           |         3670 |
| deepa56      |         1780 | 9331621664   | paytm          |         4302 |
| aakancha50   |         3750 | 2147483647   | phonepe        |         4319 |
| dixit035     |         2700 | 9331441321   | gpay           |         5707 |
| sachin153    |         3250 | 8045126501   | gpay           |         6770 |
| rathod411    |         2700 | 6394967071   | phonepe        |         8830 |
| tiwari70     |         3780 | 7361568289   | netbanking     |         8926 |
| yadav21      |         3950 | 9051200513   | netbanking     |         9021 |
+--------------+--------------+--------------+----------------+--------------+
16 rows in set (0.001 sec)
```

JOINS

1) join table user_login and payment.

- MariaDB [railway_e]> select * from user_login inner join payment on user_login.user_id=payment.user_id;

user_name	user_id	email_id	gender	age	user_document	user_address	user_password	user_id	tkt_amount	contact_no	payment_method	payment_id
rakesh_prajapti	prajapti	prajapti12@gmail.com	male	38	drv_lic	nashik	prajapti90	prajapti	3035	7749205120	phonepe	351
pooja_yadav	pooja67	poojayadav@gmail.com	female	29	pan	allahabad	pooja58	pooja67	2030	7021975541	phonepe	435
sunil_kedare	sunil2002	kedaresun70@gmail.com	male	38	pan	vashi	ked124	sunil2002	4590	7966362012	gpay	1506
diksha_kothari	diksha91	kotharid26@gmail.com	female	28	pan	dadar	kthdik	diksha91	2250	9890923504	gpay	2013
aakash_jadhav	aakash50	jadhavaakash25@gmail.com	male	31	aadhar	thane	down278	aakash50	4620	8655195917	bharatpay	2058
vikas_sawant	sawant10	sawant7956@gmail.com	male	18	aadhar	mumbai	sawrika	sawant10	2045	9003183301	phonepe	2112
prachi_singh	singh092	prachi65@gmail.com	female	30	voterid	sultanpur	prachi036	singh092	2060	9089004925	gpay	2215
jaybind_yadav	jaybind045	jaybind87@gmail.com	male	40	voterid	varanasi	yadav1989	jaybind045	4430	8993222790	phonepe	2250
priya_ingle	priya26	priyaingle80@gmail.com	female	34	aadhar	turbhe	priyain256	priya26	1900	9363492815	phonepe	2860
ashok_prajapti	ashok50	ashokprajapti@gmail.com	male	38	aadhar	chennai	ashokp4091	ashok50	2050	6345556071	phonepe	3075
anil_joshi	joshi321	aniljoshi76@gmail.com	male	23	pan	delhi	admin	joshi321	3590	9004536200	netbanking	3230
ramesh_jadhav	jadhav012	rameshjadhav076@gmail.com	male	27	drv_lic	kalamboli	jadv721	jadhav012	2840	7749452610	phonepe	3314
sanchit	san21	sanchit096@gmail.com	male	29	drv_lic	jalgaon	hitsan45	san21	5200	7720426421	gpay	3321
samiksha_dubey	samidubey60	samiksha85@gmail.com	female	29	voterid	varanasi	dubey74	samidubey60	4400	8956426204	gpay	3670
deepali_sharmaa	deepa56	deepalisharma88@gmail.com	female	26	aadhar	sultanpur	sharmad2002	deepa56	1780	9331621664	paytm	4302
aakancha_jadhav	aakancha50	jadhavaakancha25@gmail.com	female	31	aadhar	thane	aakanchaj278	aakancha50	3750	2147483647	phonepe	4319
pratik_jinturkar	jinturakar041	pratikjint@gmail.com	male	23	aadhar	vashi	pratik351	jinturakar041	3460	7021556374	gpay	4432
punit_pujari	punit56	punit071@gmail.com	male	25	aadhar	thane	abc123	punit56	2500	8321054321	gpay	4903
aniljoshi	joshi123	aniljoshi76@gmail.com	male	23	pan	delhi	admin	joshi123	4390	8063454219	netbanking	5570
umesh_dixit	dixit035	umeshdixit@gmail.com	male	34	aadhar	noida	noida251	dixit035	2700	9331441321	gpay	5707
sachin_kadam	sachin153	kadamsachin89@gmail.com	male	32	pan	kalyan	sachinkdm1998	sachin153	3250	8045126501	gpay	6770
rohit_dubey	dubey34	dubeyrohit026@gmail.com	male	25	dri_lic	thakurli	rohitd47	dubey34	3600	7977351424	phonepe	6801
shiva_rathod	rathod411	shivarathod79@gmail.com	male	26	drv_lic	banglore	shiva001	rathod411	2700	6394967071	phonepe	8830
anuj_tiwari	tiwari70	tiwarianu30@gmail.com	male	32	pan	thane	charlie20	tiwari70	3780	7361568289	netbanking	8926
avinash_yadav	yadav21	avinyadav06@gmail.com	male	27	aadhar	chennai	welcome7	yadav21	3950	9051200513	netbanking	9021

25 rows in set (0.001 sec)

2)left join the user_login table.

- MariaDB [railway_e]> select user_login.user_name,user_login.user_id,user_login.email_id,user_login.user_password from user_login left join payment on user_login.user_id=payment.user_id;

```
+------------------+---------------+------------------------------+------------------+
| user_name        | user_id       | email_id                     | user_password    |
+------------------+---------------+------------------------------+------------------+
| aakancha_jadhav  | aakancha50    | jadhavaakancha25@gmail.com   | aakanchaj278     |
| aakash_jadhav    | aakash50      | jadhavaakash25@gmail.com     | down278          |
| ashok_prajapti   | ashok50       | ashokprajapti@gmail.com      | ashokp4091       |
| deepali_sharmaa  | deepa56       | deepalisharma88@gmail.com    | sharmad2002      |
| diksha_kothari   | diksha91      | kotharid26@gmail.com         | kthdik           |
| umesh_dixit      | dixit035      | umeshdixit@gmail.com         | noida251         |
| rohit_dubey      | dubey34       | dubeyrohit026@gmail.com      | rohitd47         |
| ramesh_jadhav    | jadhav012     | rameshjadhav076@gmail.com    | jadv721          |
| jaybind_yadav    | jaybind045    | jaybind87@gmail.com          | yadav1989        |
| pratik_jinturkar | jinturakar041 | pratikjint@gmail.com         | pratik351        |
| aniljoshi        | joshi123      | aniljoshi76@gmail.com        | admin            |
| anil_joshi       | joshi321      | aniljoshi76@gmail.com        | admin            |
| pooja_yadav      | pooja67       | poojayadav@gmail.com         | pooja58          |
| rakesh_prajapti  | prajapti      | prajapti12@gmail.com         | prajapti90       |
| priya_ingle      | priya26       | priyaingle80@gmail.com       | priyain256       |
| punit_pujari     | punit56       | punit071@gmail.com           | abc123           |
| shiva_rathod     | rathod411     | shivarathod79@gmail.com      | shiva001         |
| sachin_kadam     | sachin153     | kadamsachin89@gmail.com      | sachinkdm1998    |
| samiksha_dubey   | samidubey60   | samiksha85@gmail.com         | dubey74          |
| sanchit          | san21         | sanchit096@gmail.com         | hitsan45         |
| vikas_sawant     | sawant10      | sawant7956@gmail.com         | sawrika          |
| prachi_singh     | singh092      | prachi65@gmail.com           | prachi036        |
| sunil_kedare     | sunil2002     | kedaresun70@gmail.com        | ked124           |
| anuj_tiwari      | tiwari70      | tiwarianu30@gmail.com        | charlie20        |
| avinash_yadav    | yadav21       | avinyadav06@gmail.com        | welcome7         |
+------------------+---------------+------------------------------+------------------+
25 rows in set (0.003 sec)
```

3) Right join train and station table.

- MariaDB [railway_e]> select train.train_no,station.train_name,train.service_day,train.class_type from train right join station on train.train_no=station.train_no;

```
+----------+----------------------------+-------------+------------------+
| train_no | train_name                 | service_day | class_type       |
+----------+----------------------------+-------------+------------------+
|    12009 | shatabdi exp               | M T F S     | 1a 2a 3a sl      |
|     3415 | sahibganj exp              | M T F S S   | 1a 2a 3a sl      |
|    11093 | mahanagri exp              | all days    | 1a 2a 3a sl gn   |
|    22131 | gyan ganga exp             | M T F S     | 1a 2a 3a sl gn   |
|    12670 | gangakaveri exp            | M T F S     | 1a 2a 3a sl      |
|    12452 | shram shkti exp            | M T F S S   | 1a 2a 3a sl      |
|    12106 | vidarbha exp               | M T F S S   | 1a 2a 3a sl gn   |
|     2187 | rewa csmt spl              | M T F S S   | 1a 2a 3a         |
|    10112 | konkan kanya exp           | all days    | 1a 2a 3a sl gn   |
|    12927 | vadodara exp               | M T F       | 1a 2a 3a sl gn   |
|    11039 | maharashtra exp            | M T F S     | 1a 2a 3a         |
|    12937 | garbha exp                 | M T F S     | 1a 2a 3a sl      |
|    13006 | amritsar hwh mail          | M T F S S   | 1a 2a 3a sl      |
|    12166 | gorakhpur exp              | all days    | 1a 2a 3a sl gn   |
|    12108 | sitapur ltt exp            | all days    | 1a 2a 3a sl gn   |
|    12163 | chennai exp                | M T F       | 1a 2a 3a sl gn   |
|    11043 | madurai exp                | M T F S     | 1a 2a 3a sl gn   |
|    13430 | anvt mldt exp              | M T F       | 1a 2a 3a sl      |
|    12880 | bhubneswar mumbai ltt exp  | all days    | 1a 2a 3a sl gn   |
|    12138 | punjab mail                | M T F S S   | 1a 2a 3a sl      |
|    12723 | telangana exp              | M T F       | 1a 2a 3a sl gn   |
|    11027 | dadar pvr exp              | M T F S S   | 1a 2a 3a sl      |
|    12150 | dnr pune exp               | M T F S S   | 1a 2a 3a sl      |
|    11034 | darbhanga pune exp         | M T F S     | 1a 2a 3a sl      |
|    12296 | sangha mitra exp           | M T F       | 1a 2a 3a sl      |
+----------+----------------------------+-------------+------------------+
```