create table customer(

c\_id int primary key,

c\_fn varchar(30) not null,

c\_mn varchar(30),

c\_ln varchar(30) not null,

c\_building varchar(50) not null,

c\_street varchar(30) not null,

c\_city varchar(30) not null,

c\_district varchar(30) not null,

c\_state varchar(30) default 'Maha

c\_pincode int not null,

c\_dob date not null,

c\_aadharno int not null,

c\_phoneno varchar(15) not null,

c\_email varchar(30) not null,

c\_gen varchar(20) not null

);

alter table customer

modify c\_aadharno bigint not null;

insert into customer values(1000000001,'Mahesh','Raju','Shere','B no:1/F

no:2,ABC society','Shere street','Badlapur','Thane','Maharashtra',421503,'2003-0

8-09',946694669466,'+919100000001','mj@gmail.com','Male');

mysql> insert into customer values(1000000002,'Steven',NULL,'Thomas','B no:2/F n

o:3,DEF society','Shivam street','Titwala','Thane','Maharashtra',421010,'2003-08

-24',957795779577,'+919200000002','steventhomas77@gmail.com','Male');

Query OK, 1 row affected (0.05 sec)

mysql> insert into customer values(1000000003,'Aaditya','Shankar','Chalke','B no

:3/F no:4,GHI society','Louiswadi','Thane','Thane','Maharashtra',400003,'2003-06

-18',968896889688,'+919300000003','sanikachalke03@gmail.com','Female');

Query OK, 1 row affected (0.05 sec)

mysql> insert into customer values(1000000004,'Sakshi','Vijay','Sataye','B no:4/

F no:5,JKL society','MH nagar','Dombivli','Thane','Maharashtra',421202,'2003-12-

05',979997999799,'+919400000004','sakshisataye@gmail.com','Female');

Query OK, 1 row affected (0.05 sec)

mysql> insert into customer values(1000000005,'Aryan','Jaising','Bagwe','Bagwe V

illa','Nehru road','Mulund','Mumbai','Maharashtra',400081,'2004-04-25',935593559

355,'+919500000005','ajb@gmail.com','Male');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from customer;

+------------+---------+---------+--------+---------------------------+---------

------+----------+------------+-------------+-----------+------------+----------

----+---------------+--------------------------+--------+

| c\_id | c\_fn | c\_mn | c\_ln | c\_building | c\_street

| c\_city | c\_district | c\_state | c\_pincode | c\_dob | c\_aadharn

o | c\_phoneno | c\_email | c\_gen |

+------------+---------+---------+--------+---------------------------+---------

------+----------+------------+-------------+-----------+------------+----------

----+---------------+--------------------------+--------+

| 1000000001 | Mahesh | Raju | Shere | B no:1/F no:2,ABC society | Shere st

reet | Badlapur | Thane | Maharashtra | 421503 | 2003-08-09 | 946694669

466 | +919100000001 | mj@gmail.com | Male |

| 1000000002 | Steven | NULL | Thomas | B no:2/F no:3,DEF society | Shivam s

treet | Titwala | Thane | Maharashtra | 421010 | 2003-08-24 | 957795779

577 | +919200000002 | steventhomas77@gmail.com | Male |

| 1000000003 | Aaditya | Shankar | Chalke | B no:3/F no:4,GHI society | Louiswad

i | Thane | Thane | Maharashtra | 400003 | 2003-06-18 | 968896889

688 | +919300000003 | sanikachalke03@gmail.com | Female |

| 1000000004 | Sakshi | Vijay | Sataye | B no:4/F no:5,JKL society | MH nagar

| Dombivli | Thane | Maharashtra | 421202 | 2003-12-05 | 979997999

799 | +919400000004 | sakshisataye@gmail.com | Female |

| 1000000005 | Aryan | Jaising | Bagwe | Bagwe Villa | Nehru ro

ad | Mulund | Mumbai | Maharashtra | 400081 | 2004-04-25 | 935593559

355 | +919500000005 | ajb@gmail.com | Male |

+------------+---------+---------+--------+---------------------------+---------

------+----------+------------+-------------+-----------+------------+----------

----+---------------+--------------------------+--------+

5 rows in set (0.00 sec)

mysql> alter table customer

-> modify c\_aadharno bigint unique not null;

Query OK, 0 rows affected (0.41 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> update customer

-> set c\_fn='Sanika' where c\_id=1000000003;

Query OK, 1 row affected (0.25 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from customer;

+------------+--------+---------+--------+---------------------------+----------

-----+----------+------------+-------------+-----------+------------+-----------

---+---------------+--------------------------+--------+

| c\_id | c\_fn | c\_mn | c\_ln | c\_building | c\_street

| c\_city | c\_district | c\_state | c\_pincode | c\_dob | c\_aadharno

| c\_phoneno | c\_email | c\_gen |

+------------+--------+---------+--------+---------------------------+----------

-----+----------+------------+-------------+-----------+------------+-----------

---+---------------+--------------------------+--------+

| 1000000001 | Mahesh | Raju | Shere | B no:1/F no:2,ABC society | Shere str

eet | Badlapur | Thane | Maharashtra | 421503 | 2003-08-09 | 9466946694

66 | +919100000001 | mj@gmail.com | Male |

| 1000000002 | Steven | NULL | Thomas | B no:2/F no:3,DEF society | Shivam st

reet | Titwala | Thane | Maharashtra | 421010 | 2003-08-24 | 9577957795

77 | +919200000002 | steventhomas77@gmail.com | Male |

| 1000000003 | Sanika | Shankar | Chalke | B no:3/F no:4,GHI society | Louiswadi

| Thane | Thane | Maharashtra | 400003 | 2003-06-18 | 9688968896

88 | +919300000003 | sanikachalke03@gmail.com | Female |

| 1000000004 | Sakshi | Vijay | Sataye | B no:4/F no:5,JKL society | MH nagar

| Dombivli | Thane | Maharashtra | 421202 | 2003-12-05 | 9799979997

99 | +919400000004 | sakshisataye@gmail.com | Female |

| 1000000005 | Aryan | Jaising | Bagwe | Bagwe Villa | Nehru roa

d | Mulund | Mumbai | Maharashtra | 400081 | 2004-04-25 | 9355935593

55 | +919500000005 | ajb@gmail.com | Male |

+------------+--------+---------+--------+---------------------------+----------

-----+----------+------------+-------------+-----------+------------+-----------

---+---------------+--------------------------+--------+

5 rows in set (0.00 sec)

create table staff(

s\_id int primary key,

s\_fn varchar(30) not null,

s\_mn varchar(30),

s\_ln varchar(30) not null,

s\_aadharno bigint not null unique,

s\_dob date not null,

s\_email varchar(30) not null check(s\_email like '%@%.%'),

s\_gender varchar(20) not null check(s\_gender in('male','female','other'))

s\_samt int not null,

s\_post varchar(20) not null check(s\_post in('accountant','manager','gym t

','other')),

s\_timing varchar(50) not null check(s\_timing like '%am to %pm%')

);

mysql> insert into staff values(2000000001,'Vandana',NULL,'Padhi',810081008100,'

2004-02-02','vp@gmail.com','female',200000,'accountant','11am to 7pm');

Query OK, 1 row affected (0.08 sec)

mysql> insert into staff values(2000000002,'Hrushikesh','Raj','Shinde',820082008

200,'2003-03-27','hrs@gmail.com','male',600000,'manager','11am to 7pm');

Query OK, 1 row affected (0.03 sec)

mysql> insert into staff values(2000000003,'Pratik','Rajiv','Kumbhar',8300830083

00,'2004-04-06','pk@gmail.com','male',300000,'gym trainer','7am to 12pm and 5pm

to 9pm');

mysql> insert into staff values(2000000004,'Anushka','Arun','Dalvi',840084008400

,'2003-10-16','aad@gmail.com','female',200000,'accountant','11am to 7pm');

Query OK, 1 row affected (0.03 sec)

mysql> insert into staff values(2000000005,'Sameeksha','Sandeep','Kadam',8500850

08500,'2004-02-21','sskn@gmail.com','female',300000,'gym trainer','9am to 12pm a

nd 3pm to 6pm');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from staff;

+------------+------------+---------+---------+--------------+------------+-----

-----------+----------+--------+-------------+----------------------------+

| s\_id | s\_fn | s\_mn | s\_ln | s\_aadharno | s\_dob | s\_em

ail | s\_gender | s\_samt | s\_post | s\_timing |

+------------+------------+---------+---------+--------------+------------+-----

-----------+----------+--------+-------------+----------------------------+

| 2000000001 | Vandana | NULL | Padhi | 810081008100 | 2004-02-02 | vp@g

mail.com | female | 200000 | accountant | 11am to 7pm |

| 2000000002 | Hrushikesh | Raj | Shinde | 820082008200 | 2003-03-27 | hrs@

gmail.com | male | 600000 | manager | 11am to 7pm |

| 2000000003 | Pratik | Rajiv | Kumbhar | 830083008300 | 2004-04-06 | pk@g

mail.com | male | 300000 | gym trainer | 7am to 12pm and 5pm to 9pm |

| 2000000004 | Anushka | Arun | Dalvi | 840084008400 | 2003-10-16 | aad@

gmail.com | female | 200000 | accountant | 11am to 7pm |

| 2000000005 | Sameeksha | Sandeep | Kadam | 850085008500 | 2004-02-21 | sskn

@gmail.com | female | 300000 | gym trainer | 9am to 12pm and 3pm to 6pm |

+------------+------------+---------+---------+--------------+------------+-----

-----------+----------+--------+-------------+----------------------------+

5 rows in set (0.00 sec)

mysql> create table membership\_plan(

-> m\_id bigint primary key,

-> m\_dur varchar(20) not null check(m\_dur like '% months'),

-> m\_amt int not null check(m\_amt<10000)

-> );

Query OK, 0 rows affected (0.06 sec)

mysql> insert into membership\_plan values(5000000001,'1 months',800);

Query OK, 1 row affected (0.03 sec)

mysql> insert into membership\_plan values(5000000002,'1 months',1000);

Query OK, 1 row affected (0.02 sec)

mysql> insert into membership\_plan values(5000000003,'2 months',1500);

Query OK, 1 row affected (0.01 sec)

mysql> insert into membership\_plan values(5000000004,'3 months',2000);

Query OK, 1 row affected (0.05 sec)

mysql> insert into membership\_plan values(5000000005,'4 months',3000);

Query OK, 1 row affected (0.01 sec)

mysql> select \* from membership\_plan;

+------------+----------+-------+

| m\_id | m\_dur | m\_amt |

+------------+----------+-------+

| 5000000001 | 1 months | 800 |

| 5000000002 | 1 months | 1000 |

| 5000000003 | 2 months | 1500 |

| 5000000004 | 3 months | 2000 |

| 5000000005 | 4 months | 3000 |

+------------+----------+-------+

5 rows in set (0.00 sec)

show create table customer;

show create table membership\_plan;

show create table staff;

mysql> create table payment(

-> p\_id bigint primary key,

-> p\_type varchar(20) not null check(p\_type in('upi','cash','dd','cheque','o

ther')),

-> p\_date date not null,

-> p\_time time not null,

-> p\_amt int not null,

-> veri\_date date,

-> veri\_time time,

-> veri\_status varchar(30) not null check(veri\_status in('verified','not ver

ified','other')),

-> madefor\_status varchar(30) not null check(madefor\_status in ('new joining

','renewal','other')) ,

-> cus3\_id int not null,

-> s3\_id int not null,

-> m3\_id bigint not null,

-> constraint fk\_cid foreign key (cus3\_id) references customer(c\_id),

-> constraint fk\_sid foreign key (s3\_id) references staff(s\_id),

-> constraint fk\_mid foreign key (m3\_id) references membership\_plan(m\_id)

-> );

Query OK, 0 rows affected (0.11 sec)

mysql> insert into payment values(4000000001,'cash','2022-07-19','09:00:00',1000

,'2022-07-19','11:20:00','verified','new joining',1000000004,2000000001,50000000

02);

Query OK, 1 row affected (0.03 sec)

mysql> insert into payment values(4000000002,'upi','2022-08-18','11:02:02',800,'

2022-08-19','11:30:00','verified','new joining',1000000001,2000000001,5000000001

);

Query OK, 1 row affected (0.06 sec)

mysql> insert into payment values(4000000003,'upi','2022-08-19','07:00:00',1000,

NULL,NULL,'not verified','new joining',1000000002,2000000001,5000000002);

Query OK, 1 row affected (0.03 sec)

mysql> insert into payment values(4000000004,'cheque','2022-08-20','10:00:00',15

00,'2022-08-20','11:15:00','verified','new joining',1000000003,2000000001,500000

0003);

Query OK, 1 row affected (0.05 sec)

mysql> insert into payment values(4000000005,'cash','2022-08-20','11:00:00',1000

,'2022-08-20','11:25:00','verified','renewal',1000000004,2000000004,5000000002);

Query OK, 1 row affected (0.03 sec)

mysql> insert into payment values(4000000006,'dd','2022-08-21','09:00:00',2000,N

ULL,NULL,'not verified','new joining',1000000005,2000000001,5000000004);

Query OK, 1 row affected (0.05 sec)

mysql> insert into payment values(4000000007,'cash','2022-09-22','08:00:00',3000

,'2022-09-22','11:15:00','verified','other',1000000001,2000000004,5000000005);

Query OK, 1 row affected (0.05 sec)

mysql> select \* from payment;

+------------+--------+------------+----------+-------+------------+-----------+

--------------+----------------+------------+------------+------------+

| p\_id | p\_type | p\_date | p\_time | p\_amt | veri\_date | veri\_time |

veri\_status | madefor\_status | cus3\_id | s3\_id | m3\_id |

+------------+--------+------------+----------+-------+------------+-----------+

--------------+----------------+------------+------------+------------+

| 4000000001 | cash | 2022-07-19 | 09:00:00 | 1000 | 2022-07-19 | 11:20:00 |

verified | new joining | 1000000004 | 2000000001 | 5000000002 |

| 4000000002 | upi | 2022-08-18 | 11:02:02 | 800 | 2022-08-19 | 11:30:00 |

verified | new joining | 1000000001 | 2000000001 | 5000000001 |

| 4000000003 | upi | 2022-08-19 | 07:00:00 | 1000 | NULL | NULL |

not verified | new joining | 1000000002 | 2000000001 | 5000000002 |

| 4000000004 | cheque | 2022-08-20 | 10:00:00 | 1500 | 2022-08-20 | 11:15:00 |

verified | new joining | 1000000003 | 2000000001 | 5000000003 |

| 4000000005 | cash | 2022-08-20 | 11:00:00 | 1000 | 2022-08-20 | 11:25:00 |

verified | renewal | 1000000004 | 2000000004 | 5000000002 |

| 4000000006 | dd | 2022-08-21 | 09:00:00 | 2000 | NULL | NULL |

not verified | new joining | 1000000005 | 2000000001 | 5000000004 |

| 4000000007 | cash | 2022-09-22 | 08:00:00 | 3000 | 2022-09-22 | 11:15:00 |

verified | other | 1000000001 | 2000000004 | 5000000005 |

+------------+--------+------------+----------+-------+------------+-----------+

--------------+----------------+------------+------------+------------+

7 rows in set (0.00 sec)

mysql> create table workout(

-> exercise\_id bigint not null primary key,

-> exercise\_name varchar(50) not null,

-> s5\_id int not null,

-> constraint fk\_staff5id foreign key(s5\_id) references staff(s\_id)

-> );

Query OK, 0 rows affected (0.10 sec)

mysql> insert into workout values(6000000001,'pushups',20000000003);

ERROR 1264 (22003): Out of range value for column 's5\_id' at row 1

mysql> insert into workout values(6000000001,'pushups',2000000003);

Query OK, 1 row affected (0.04 sec)

mysql> insert into workout values(6000000002,'situps',2000000003);

Query OK, 1 row affected (0.05 sec)

mysql> insert into workout values(6000000003,'squats',2000000003);

Query OK, 1 row affected (0.01 sec)

mysql> insert into workout values(6000000004,'Padmasana',2000000005);

Query OK, 1 row affected (0.04 sec)

mysql> insert into workout values(6000000005,'Dhanurasana',2000000005);

Query OK, 1 row affected (0.01 sec)

mysql> select \* from workout;

+-------------+---------------+------------+

| exercise\_id | exercise\_name | s5\_id |

+-------------+---------------+------------+

| 6000000001 | pushups | 2000000003 |

| 6000000002 | situps | 2000000003 |

| 6000000003 | squats | 2000000003 |

| 6000000004 | Padmasana | 2000000005 |

| 6000000005 | Dhanurasana | 2000000005 |

+-------------+---------------+------------+

5 rows in set (0.00 sec)

mysql> create table teaches(

-> cus6\_id int not null,

-> s6\_id int not null,

-> constraint fk\_staff6id foreign key(s6\_id) references staff(s\_id) ,

-> constraint fk\_cus6id foreign key(cus6\_id) references customer(c\_id)

-> );

Query OK, 0 rows affected (0.06 sec)

mysql> insert into teaches values(1000000001,2000000003);

Query OK, 1 row affected (0.01 sec)

mysql> insert into teaches values(1000000002,2000000005);

Query OK, 1 row affected (0.03 sec)

mysql> insert into teaches values(1000000003,2000000003);

Query OK, 1 row affected (0.00 sec)

mysql> insert into teaches values(1000000004,2000000005);

Query OK, 1 row affected (0.00 sec)

mysql> insert into teaches values(1000000005,2000000003);

Query OK, 1 row affected (0.03 sec)

mysql> create table signs\_up(

-> su\_doj date ,

-> su-toj time,

-> su\_status varchar(20) not null check(su\_status in('joined','not joined','

other')),

-> cus7\_id int not null,

-> m7\_id bigint not null,

-> constraint fk\_cus7id foreign key (cus7\_id) references customer(c\_id),

-> constraint fk\_m7id foreign key (m7\_id) references membership\_plan(m\_id)

-> );

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that

corresponds to your MySQL server version for the right syntax to use near '-toj

time,

su\_status varchar(20) not null check(su\_status in('joined','not joine' at line 3

mysql> create table signs\_up(

-> su\_doj date ,

-> su\_toj time,

-> su\_status varchar(20) not null check(su\_status in('joined','not joined','

other')),

-> cus7\_id int not null,

-> m7\_id bigint not null,

-> constraint fk\_cus7id foreign key (cus7\_id) references customer(c\_id),

-> constraint fk\_m7id foreign key (m7\_id) references membership\_plan(m\_id)

-> );

Query OK, 0 rows affected (0.10 sec)

mysql> insert into signs\_up values('2022-08-18','11:15:00','joined',1000000001,5

000000001);

Query OK, 1 row affected (0.00 sec)

mysql> insert into signs\_up values(NULL,NULL,'not joined',1000000002,5000000002)

;

Query OK, 1 row affected (0.01 sec)

mysql> insert into signs\_up values('2022-08-20','11:15:00','joined',1000000003,5

000000003);

Query OK, 1 row affected (0.00 sec)

mysql> insert into signs\_up values('2022-07-19','11:30:00','joined',1000000004,5

000000002);

Query OK, 1 row affected (0.08 sec)

mysql> insert into signs\_up values(NULL,NULL,'not joined',1000000005,5000000004)

;

Query OK, 1 row affected (0.01 sec)

mysql> insert into signs\_up values('2022-09-22','11:30:00','joined',1000000001,5

000000005);

Query OK, 1 row affected (0.01 sec)

mysql> SELECT \* FROM SIGNS\_UP;

+------------+----------+------------+------------+------------+

| su\_doj | su\_toj | su\_status | cus7\_id | m7\_id |

+------------+----------+------------+------------+------------+

| 2022-08-18 | 11:15:00 | joined | 1000000001 | 5000000001 |

| NULL | NULL | not joined | 1000000002 | 5000000002 |

| 2022-08-20 | 11:15:00 | joined | 1000000003 | 5000000003 |

| 2022-07-19 | 11:30:00 | joined | 1000000004 | 5000000002 |

| NULL | NULL | not joined | 1000000005 | 5000000004 |

| 2022-09-22 | 11:30:00 | joined | 1000000001 | 5000000005 |

+------------+----------+------------+------------+------------+

6 rows in set (0.00 sec)

mysql> create table is\_assigned(

-> s8\_id int not null,

-> m8\_id bigint not null,

-> constraint fk\_staff8id foreign key (s8\_id) references staff(s\_id),

-> constraint fk\_m8id foreign key (m8\_id) references membership\_plan(m\_id)

-> );

Query OK, 0 rows affected (0.06 sec)

mysql> insert into is\_assigned values(

-> 1);

ERROR 1136 (21S01): Column count doesn't match value count at row 1

mysql> insert into is\_assigned values(2000000003,5000000001);

Query OK, 1 row affected (0.00 sec)

mysql> insert into is\_assigned values(2000000005,5000000002);

Query OK, 1 row affected (0.00 sec)

mysql> insert into is\_assigned values(2000000003,5000000003);

Query OK, 1 row affected (0.00 sec)

mysql> insert into is\_assigned values(2000000003,5000000004);

Query OK, 1 row affected (0.00 sec)

mysql> insert into is\_assigned values(2000000003,5000000005);

Query OK, 1 row affected (0.02 sec)

mysql> select \* from is\_assigned;

+------------+------------+

| s8\_id | m8\_id |

+------------+------------+

| 2000000003 | 5000000001 |

| 2000000005 | 5000000002 |

| 2000000003 | 5000000003 |

| 2000000003 | 5000000004 |

| 2000000003 | 5000000005 |

+------------+------------+

5 rows in set (0.00 sec)

mysql> create table performs(

-> cus9\_id int not null,

-> exercise9\_id bigint not null,

-> constraint fk\_cus9id foreign key (cus9\_id) references customer(c\_id),

-> constraint fk\_exercise9id foreign key (exercise9\_id) references workout(e

xercise\_id)

-> );

Query OK, 0 rows affected (0.06 sec)

mysql> insert into performs values(1000000001,6000000001);

Query OK, 1 row affected (0.00 sec)

mysql> insert into performs values(1000000002,6000000004);

Query OK, 1 row affected (0.00 sec)

mysql> insert into performs values(1000000002,6000000005);

Query OK, 1 row affected (0.01 sec)

mysql> insert into performs values(1000000003,6000000002);

Query OK, 1 row affected (0.05 sec)

mysql> insert into performs values(1000000003,6000000003);

Query OK, 1 row affected (0.00 sec)

mysql> insert into performs values(1000000004,6000000004);

Query OK, 1 row affected (0.05 sec)

mysql> insert into performs values(1000000004,6000000005);

Query OK, 1 row affected (0.00 sec)

mysql> insert into performs values(1000000005,6000000001);

Query OK, 1 row affected (0.00 sec)

mysql> insert into performs values(1000000005,6000000002);

Query OK, 1 row affected (0.00 sec)

mysql> insert into performs values(1000000005,6000000003);

Query OK, 1 row affected (0.00 sec)

mysql> insert into performs values(1000000001,6000000002);

Query OK, 1 row affected (0.03 sec)

mysql> insert into performs values(1000000001,6000000003);

Query OK, 1 row affected (0.00 sec)

mysql> create table determines(

-> m10\_id bigint not null,

-> exercise10\_id bigint not null,

-> constraint fk\_exercise10id foreign key (exercise10\_id) references workout

(exercise\_id),

-> constraint fk\_m10id foreign key (m10\_id) references membership\_plan(m\_id)

-> );

Query OK, 0 rows affected (0.25 sec)

mysql> insert into determines values(5000000001,6000000001);

Query OK, 1 row affected (0.05 sec)

mysql> insert into determines values(5000000002,6000000004);

Query OK, 1 row affected (0.03 sec)

mysql> insert into determines values(5000000002,6000000005);

Query OK, 1 row affected (0.05 sec)

mysql> insert into determines values(5000000003,6000000002);

Query OK, 1 row affected (0.05 sec)

mysql> insert into determines values(5000000003,6000000003);

Query OK, 1 row affected (0.00 sec)

mysql> insert into determines values(5000000004,6000000001);

Query OK, 1 row affected (0.03 sec)

mysql> insert into determines values(5000000004,6000000002);

Query OK, 1 row affected (0.00 sec)

mysql> insert into determines values(5000000004,6000000003);

Query OK, 1 row affected (0.03 sec)

mysql> insert into determines values(5000000005,6000000001);

Query OK, 1 row affected (0.02 sec)

mysql> insert into determines values(5000000005,6000000002);

Query OK, 1 row affected (0.03 sec)

mysql> insert into determines values(5000000005,6000000003);

Query OK, 1 row affected (0.00 sec)

mysql> create table pays\_salary(

-> s\_11payerid int not null,

-> s\_11receiverid int not null,

-> ps\_d date not null,

-> ps\_t time not null,

-> constraint fk\_staff11id foreign key (s\_11payerid) references staff(s\_id),

-> constraint fk\_staff12id foreign key (s\_11receiverid) references staff(s\_i

d)

-> );

Query OK, 0 rows affected (0.09 sec)

mysql> insert into pays\_salary values(2000000004,2000000001,'2022-08-02','11:40:

00');

Query OK, 1 row affected (0.05 sec)

mysql> insert into pays\_salary values(2000000001,2000000002,'2022-08-02','11:45:

00');

Query OK, 1 row affected (0.02 sec)

mysql> insert into pays\_salary values(2000000004,2000000003,'2022-08-02','11:47:

00');

Query OK, 1 row affected (0.00 sec)

mysql> insert into pays\_salary values(2000000001,2000000004,'2022-08-03','11:32:

00');

Query OK, 1 row affected (0.03 sec)

mysql> insert into pays\_salary values(2000000004,2000000005,'2022-08-03','11:35:

00');

Query OK, 1 row affected (0.05 sec)

mysql> select \* from pays\_salary;

+-------------+----------------+------------+----------+

| s\_11payerid | s\_11receiverid | ps\_d | ps\_t |

+-------------+----------------+------------+----------+

| 2000000004 | 2000000001 | 2022-08-02 | 11:40:00 |

| 2000000001 | 2000000002 | 2022-08-02 | 11:45:00 |

| 2000000004 | 2000000003 | 2022-08-02 | 11:47:00 |

| 2000000001 | 2000000004 | 2022-08-03 | 11:32:00 |

| 2000000004 | 2000000005 | 2022-08-03 | 11:35:00 |

+-------------+----------------+------------+----------+

5 rows in set (0.00 sec)

QUERIES

mysql> select c\_fn,c\_mn,c\_ln from customer where c\_dob>='2000-01-01';

+--------+---------+--------+

| c\_fn | c\_mn | c\_ln |

+--------+---------+--------+

| Mahesh | Raju | Shere |

| Steven | NULL | Thomas |

| Sanika | Shankar | Chalke |

| Sakshi | Vijay | Sataye |

| Aryan | Jaising | Bagwe |

+--------+---------+--------+

5 rows in set (0.08 sec)

mysql> select c\_fn,c\_mn,c\_ln from customer where c\_dob>='2004-01-01';

+-------+---------+-------+

| c\_fn | c\_mn | c\_ln |

+-------+---------+-------+

| Aryan | Jaising | Bagwe |

+-------+---------+-------+

1 row in set (0.00 sec)

mysql> select \* from membership\_plan where m\_dur<'2 months';

+------------+----------+-------+

| m\_id | m\_dur | m\_amt |

+------------+----------+-------+

| 5000000001 | 1 months | 800 |

| 5000000002 | 1 months | 1000 |

+------------+----------+-------+

2 rows in set (0.05 sec)

mysql> select s\_fn,s\_ln from staff where s\_post='gym trainer';

+-----------+---------+

| s\_fn | s\_ln |

+-----------+---------+

| Pratik | Kumbhar |

| Sameeksha | Kadam |

+-----------+---------+

2 rows in set (0.06 sec)

mysql> select s\_fn,s\_ln from staff where s\_gender='male 'and s\_samt>200000;

+------------+---------+

| s\_fn | s\_ln |

+------------+---------+

| Hrushikesh | Shinde |

| Pratik | Kumbhar |

+------------+---------+

2 rows in set (0.00 sec)

mysql> select s\_fn,s\_ln from staff where s\_gender='male 'and s\_samt>300000;

+------------+--------+

| s\_fn | s\_ln |

+------------+--------+

| Hrushikesh | Shinde |

+------------+--------+

1 row in set (0.00 sec)

mysql> select p\_type from payment where p\_amt>=1000;

+--------+

| p\_type |

+--------+

| cash |

| upi |

| cheque |

| cash |

| dd |

| cash |

+--------+

6 rows in set (0.05 sec)

mysql> commit;

Query OK, 0 rows affected (0.00 sec)

mysql>

mysql> select c\_fn,c\_ln from customer where c\_dob between '1992-01-01' and '2003

-12-31';

+--------+--------+

| c\_fn | c\_ln |

+--------+--------+

| Mahesh | Shere |

| Steven | Thomas |

| Sanika | Chalke |

| Sakshi | Sataye |

+--------+--------+

4 rows in set (0.06 sec)

mysql> select \* from membership\_plan where m\_amt between 1000 and 2000;

+------------+----------+-------+

| m\_id | m\_dur | m\_amt |

+------------+----------+-------+

| 5000000002 | 1 months | 1000 |

| 5000000003 | 2 months | 1500 |

| 5000000004 | 3 months | 2000 |

+------------+----------+-------+

3 rows in set (0.06 sec)

mysql> select s\_email from staff where s\_samt between 100000 and 300000;

+----------------+

| s\_email |

+----------------+

| vp@gmail.com |

| pk@gmail.com |

| aad@gmail.com |

| sskn@gmail.com |

+----------------+

4 rows in set (0.05 sec)

mysql> select \* from payment where p\_date between '2022-08-01' and '31-12-2021';

Empty set, 1 warning (0.03 sec)

mysql> select \* from payment where p\_date between '2022-08-01' and '31-12-2022';

Empty set, 1 warning (0.00 sec)

mysql> select \* from payment where p\_date between '2022-08-01' and '2022-12-31';

+------------+--------+------------+----------+-------+------------+-----------+

--------------+----------------+------------+------------+------------+

| p\_id | p\_type | p\_date | p\_time | p\_amt | veri\_date | veri\_time |

veri\_status | madefor\_status | cus3\_id | s3\_id | m3\_id |

+------------+--------+------------+----------+-------+------------+-----------+

--------------+----------------+------------+------------+------------+

| 4000000002 | upi | 2022-08-18 | 11:02:02 | 800 | 2022-08-19 | 11:30:00 |

verified | new joining | 1000000001 | 2000000001 | 5000000001 |

| 4000000003 | upi | 2022-08-19 | 07:00:00 | 1000 | NULL | NULL |

not verified | new joining | 1000000002 | 2000000001 | 5000000002 |

| 4000000004 | cheque | 2022-08-20 | 10:00:00 | 1500 | 2022-08-20 | 11:15:00 |

verified | new joining | 1000000003 | 2000000001 | 5000000003 |

| 4000000005 | cash | 2022-08-20 | 11:00:00 | 1000 | 2022-08-20 | 11:25:00 |

verified | renewal | 1000000004 | 2000000004 | 5000000002 |

| 4000000006 | dd | 2022-08-21 | 09:00:00 | 2000 | NULL | NULL |

not verified | new joining | 1000000005 | 2000000001 | 5000000004 |

| 4000000007 | cash | 2022-09-22 | 08:00:00 | 3000 | 2022-09-22 | 11:15:00 |

verified | other | 1000000001 | 2000000004 | 5000000005 |

+------------+--------+------------+----------+-------+------------+-----------+

--------------+----------------+------------+------------+------------+

6 rows in set (0.00 sec)

mysql> select p\_type from payment where (p\_time between '10:00:00' and '21:00:00

') and (p\_date='2022-01-01');

Empty set (0.00 sec)

mysql> select p\_type from payment where (p\_time between '10:00:00' and '21:00:00

') and (p\_date='2022-08-22');

Empty set (0.00 sec)

mysql> select p\_type from payment where (p\_time between '10:00:00' and '21:00:00

') and (p\_date='2022-08-18');

+--------+

| p\_type |

+--------+

| upi |

+--------+

1 row in set (0.00 sec)

mysql> select c\_dob from customer where c\_district in ('thane','mumbai');

+------------+

| c\_dob |

+------------+

| 2003-08-09 |

| 2003-08-24 |

| 2003-06-18 |

| 2003-12-05 |

| 2004-04-25 |

+------------+

5 rows in set (0.00 sec)

mysql> select \* from customer where c\_city not in ('thane','mulund','ghatkopar'

);

+------------+--------+-------+--------+---------------------------+------------

---+----------+------------+-------------+-----------+------------+-------------

-+---------------+--------------------------+--------+

| c\_id | c\_fn | c\_mn | c\_ln | c\_building | c\_street

| c\_city | c\_district | c\_state | c\_pincode | c\_dob | c\_aadharno

| c\_phoneno | c\_email | c\_gen |

+------------+--------+-------+--------+---------------------------+------------

---+----------+------------+-------------+-----------+------------+-------------

-+---------------+--------------------------+--------+

| 1000000001 | Mahesh | Raju | Shere | B no:1/F no:2,ABC society | Shere stree

t | Badlapur | Thane | Maharashtra | 421503 | 2003-08-09 | 946694669466

| +919100000001 | mj@gmail.com | Male |

| 1000000002 | Steven | NULL | Thomas | B no:2/F no:3,DEF society | Shivam stre

et | Titwala | Thane | Maharashtra | 421010 | 2003-08-24 | 957795779577

| +919200000002 | steventhomas77@gmail.com | Male |

| 1000000004 | Sakshi | Vijay | Sataye | B no:4/F no:5,JKL society | MH nagar

| Dombivli | Thane | Maharashtra | 421202 | 2003-12-05 | 979997999799

| +919400000004 | sakshisataye@gmail.com | Female |

+------------+--------+-------+--------+---------------------------+------------

---+----------+------------+-------------+-----------+------------+-------------

-+---------------+--------------------------+--------+

3 rows in set (0.00 sec)

mysql> select s\_timing from staff where s\_post not in('gym trainer','manager');

+-------------+

| s\_timing |

+-------------+

| 11am to 7pm |

| 11am to 7pm |

+-------------+

2 rows in set (0.02 sec)

mysql> select p\_id from payment where p\_type in ('UPI','cash','cheque');

+------------+

| p\_id |

+------------+

| 4000000001 |

| 4000000002 |

| 4000000003 |

| 4000000004 |

| 4000000005 |

| 4000000007 |

+------------+

6 rows in set (0.00 sec)

mysql> select p\_amt from payment where p\_date in('2019-08-18','2020-08-18','2021

-08-18','2022-08-18');

+-------+

| p\_amt |

+-------+

| 800 |

+-------+

1 row in set (0.00 sec)

mysql> select c\_fn from customer where c\_fn like 'S%';

+--------+

| c\_fn |

+--------+

| Steven |

| Sanika |

| Sakshi |

+--------+

3 rows in set (0.00 sec)

mysql> select s\_fn,s\_id from staff where s\_email not like '%@gmail.com';

Empty set (0.00 sec)

mysql> select s\_fn,s\_id from staff where s\_email like '%@gmail.com';

+------------+------------+

| s\_fn | s\_id |

+------------+------------+

| Vandana | 2000000001 |

| Hrushikesh | 2000000002 |

| Pratik | 2000000003 |

| Anushka | 2000000004 |

| Sameeksha | 2000000005 |

+------------+------------+

5 rows in set (0.00 sec)

mysql> select \* from workout where exercise\_name like '%push%';

+-------------+---------------+------------+

| exercise\_id | exercise\_name | s5\_id |

+-------------+---------------+------------+

| 6000000001 | pushups | 2000000003 |

+-------------+---------------+------------+

1 row in set (0.06 sec)

mysql> select c\_fn, c\_ln from customer where c\_id like '%001';

+--------+-------+

| c\_fn | c\_ln |

+--------+-------+

| Mahesh | Shere |

+--------+-------+

1 row in set (0.00 sec)

mysql> use gym;

Database changed

mysql> show create table payment;

+---------+---------------------------------------------------------------------

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--------------------------------------------------------------------+

| Table | Create Table

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+---------+---------------------------------------------------------------------

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--------------------------------------------------------------------+

| payment | CREATE TABLE `payment` (

`p\_id` bigint(20) NOT NULL,

`p\_type` varchar(20) NOT NULL,

`p\_date` date NOT NULL,

`p\_time` time NOT NULL,

`p\_amt` int(11) NOT NULL,

`veri\_date` date DEFAULT NULL,

`veri\_time` time DEFAULT NULL,

`veri\_status` varchar(30) NOT NULL,

`madefor\_status` varchar(30) NOT NULL,

`cus3\_id` int(11) NOT NULL,

`s3\_id` int(11) NOT NULL,

`m3\_id` bigint(20) NOT NULL,

PRIMARY KEY (`p\_id`),

KEY `fk\_cid` (`cus3\_id`),

KEY `fk\_sid` (`s3\_id`),

KEY `fk\_mid` (`m3\_id`),

CONSTRAINT `fk\_cid` FOREIGN KEY (`cus3\_id`) REFERENCES `customer` (`c\_id`),

CONSTRAINT `fk\_mid` FOREIGN KEY (`m3\_id`) REFERENCES `membership\_plan` (`m\_id`

),

CONSTRAINT `fk\_sid` FOREIGN KEY (`s3\_id`) REFERENCES `staff` (`s\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 |

+---------+---------------------------------------------------------------------

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--------------------------------------------------------------------+

1 row in set (0.01 sec)

mysql> describe payment;

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| p\_id | bigint(20) | NO | PRI | NULL | |

| p\_type | varchar(20) | NO | | NULL | |

| p\_date | date | NO | | NULL | |

| p\_time | time | NO | | NULL | |

| p\_amt | int(11) | NO | | NULL | |

| veri\_date | date | YES | | NULL | |

| veri\_time | time | YES | | NULL | |

| veri\_status | varchar(30) | NO | | NULL | |

| madefor\_status | varchar(30) | NO | | NULL | |

| cus3\_id | int(11) | NO | MUL | NULL | |

| s3\_id | int(11) | NO | MUL | NULL | |

| m3\_id | bigint(20) | NO | MUL | NULL | |

+----------------+-------------+------+-----+---------+-------+

12 rows in set (0.00 sec)