MALIK ZOHAIB MUSTAFA

SHAHZAIB IQBAL

KHIZER WAHEED

01-134192-030

01-134192-106

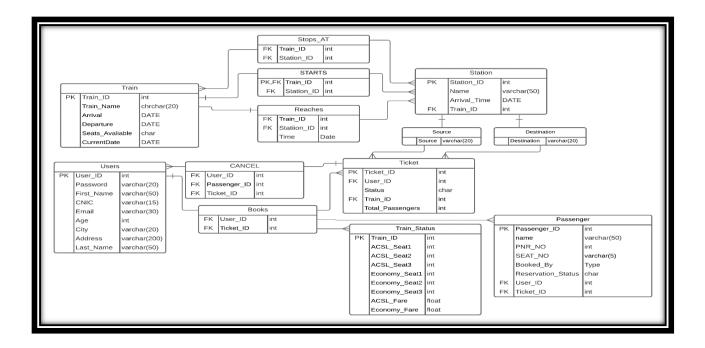
01-134192-056

BSCS-4B

BSCS-4B

BSCS-4B

SCREEN SHOTS ARE AT THE END



RELATIONSHIP TABLE:

STOPS_AT

51015_111	
Train_ID	Foreign key references to Train_id of Train Table
Station_ID	Foreign key references to Station_id of Station Table

Starts

Train_ID	Foreign key references to Train_id of Train Table
Station_ID	Foreign key references to Station_id of Station Table

Reaches

Train_ID	Foreign key references to Train_id of Train Table

Cancel

User_ID	Foreign key references to User_id of Users Table
Passenger_ID	Foreign key references to Passenger_id of Passenger Table
Ticket_ID	Foreign key references to Ticket_id of Ticket Table

Books

User_ID	Foreign key references to User_id of Users Table
Ticket_ID	Foreign key references to Ticket_id of Ticket Table

Identifying the relationships:-

a. User can book many tickets.
Therefore the relations are 1N.
b. Trains are associated with each Train_status
Therefore the relation is M1.

c. Trains can route from one route.

Therefore the relations are N.....1.

d. Station has a set of Route.

Therefore the relations are 1......N.

Table Creation Queries:-

TRAIN TABLE:-

```
CREATE TABLE Train(
Train_ID int,
Train_Name varchar(20),
Arrival DATE,
Departure DATE,
Seats_Avaliable varchar(10),
CurrentDate DATE,
PRIMARY KEY (Train_ID)
);
```

USERS TABLE:-

```
CREATE TABLE Users (
User_ID int,
Password varchar(20),
First_Name varchar(50),
CNIC varchar(15),
Email varchar(30),
Age int,
City varchar(20),
Address varchar(200),
Last_Name varchar(50),
PRIMARY KEY (User_ID)
);
```

STATION TABLE:-

```
create table station(
station_id int primary key,
name varchar(10),
Arrival_Time DATE,
Train_ID int,
CONSTRAINT FK_Train_ID FOREIGN KEY (Train_ID) REFERENCES train(Train_ID)
);
```

TRAIN_STATUS TABLE:-

CREATE TABLE TRAIN_STATUS(

```
Train_ID int Primary key,
ACSL_Seat1 int,
ACSL_Seat2 int ,
ACSL_Seat3 int,
Economy_Seat1 int ,
Economy_Seat2 int,
Economy_Seat3 int,
ACSL_Fare float,
Economy float
);
```

TICKET TABLE:-

```
CREATE TABLE TICKET(
TICKET_ID INT PRIMARY KEY,
User_ID int,
status char,
Train_ID int,
Total_Passengers int,
CONSTRAINT FK_TrainID FOREIGN KEY(TRAIN_ID)REFERENCES Train (Train_ID),
CONSTRAINT FK_UserID FOREIGN KEY (User_ID) REFERENCES Users (User_ID)
);
```

PASSENGER TABLE:-

```
create table PASSENGER(
PASSENGER_ID INT PRIMARY KEY,
Name varchar(10),
PNR_NO int,
Seat_No VARCHAR(15),
Booked_By varchar(10),
Reservation_Status char,
User_ID int ,
Ticket_ID int,
constraint FK_User_ID_P foreign key (User_ID) references USERS(User_ID),
constraint FK_Ticket_ID_P foreign key (Ticket_ID) references TICKET(TICKET_ID)
);
```

STARTS TABLE:-

```
CREATE TABLE STARTS (
Train_ID int Primary Key,
Station_Id int ,
constraint FK_Train_ID_ST foreign key(Train_ID) references Train(Train_ID),
```

```
constraint FK_Station_ID_ST foreign key(Station_Id) references
Station(Station_ID)
);
```

STOPS_AT TABLE:-

```
CREATE TABLE STOPS_AT(Train_ID int, Station_ID int, constraint FK_Train_ID_STP foreign key(Train_ID) references Train(Train_ID), constraint FK_Station_ID_STP foreign key(Station_Id) references Station(Station_ID));
```

REACHES TABLE:-

```
CREATE TABLE REACHES(Train_ID int, Station_ID int,TimeNow DATE,constraint FK_Train_ID_Re foreign key(Train_ID) references Train(Train_ID), constraint FK_Station_ID_Re foreign key(Station_Id) references Station(Station_ID));
```

BOOKS TABLE:-

```
create table books(User_ID int,Ticket_ID,constraint FK_USER_ID_BO foreign key (User_ID) references USERS(User_ID), constraint FK_Ticket_ID_BO foreign key(Ticket_ID) references TICKET(TICKET_ID));
```

CANCEL TABLE:-

```
CREATE TABLE CANCEL(
User_ID int,
Ticket_ID int,
Passenger_ID int,
constraint FK_USER_ID_CAN foreign key (User_ID) references USERS(User_ID),
constraint FK_Ticket_ID_CAN foreign key(Ticket_ID) references TICKET(TICKET_ID),
constraint FK_Passenger_ID_Can foreign key(Passenger_ID) references passenger
(PASSENGER_ID)
);
```

SOURCE TABLE:-

```
CREATE TABLE SOURCE(
SourceName VARCHAR(10),
STATION_ID INT,
Ticket_ID int,
constraint FK_Station_ID_Source foreign key(Station_Id) references Station(Station_ID),
constraint FK_Ticket_ID_Source foreign key(Ticket_ID) references TICKET(TICKET_ID)
);
```

DESTINATION TABLE:

```
CREATE TABLE DESTINATION(
DestinationName varchar(10),
STATION_ID INT,
Ticket_ID int,
constraint FK_Station_ID_Dest_foreign key(Station_Id) references_Station(Station_ID),
constraint FK_Ticket_ID_Dest_foreign key(Ticket_ID) references_TICKET(TICKET_ID)
);
```

INSERTION Queries:-

```
SQL> insert into station values(111,'RWP STAT',TO_DATE('22/02/2021 1:10:45','DD/MM/YYYY HH:MI:SS'),
1);
1 row created.
SQL> insert into station values(222,'LHR STAT',TO_DATE('16/05/2021 12:02:44','DD/MM/YYYY HH:MI:SS')
,2);
1 row created.
SQL> insert into station values(333,'MUX STAT',TO_DATE('20/07/2021 4:30:50','DD/MM/YYYY HH:MI:SS'),
3);
1 row created.
SQL> insert into station values(444,'KHI STAT',TO_DATE('10/09/2021 9:10:40','DD/MM/YYYY HH:MI:SS'),
1 row created.
SQL> COMMIT;
Commit complete.
SQL> select * from staion;
select * from staion
ERROR at line 1:
ORA-00942: table or view does not exist
SQL> select * from station;
STATION_ID NAME
                     ARRIVAL_T TRAIN_ID
       111 RWP STAT 22-FEB-21
       222 LHR STAT
                      16-MAY-21
       TAT2 XUM 888
                     20-JUL-21
       444 KHI STAT
                     10-SEP-21
```

```
SQL> insert into passenger values(2001,'KHIZER','KHIZE02','ACSL_SEAT_2','KHIZER','R',101,1);
1 row created.
SQL> insert into passenger values(2002, 'SHAHZAIB', 'SHAZEO1', 'ACSL_SEAT_1', 'SHAHZAIB', 'C', 102, 2);
SQL> insert into passenger values(2003,'ZOHAIB','ZAIBI03','ACSL_SEAT_3','ZOHAIB','N',103,3);
1 row created.
SQL> insert into passenger values(2004,'SAMAMA','SAIMI04','ACSL_SEAT_4','SAMAMA','C',104,4);
1 row created.
SQL> COMMIT;
Commit complete.
SQL> select * from passenger;
PASSENGER_ID NAME
                        PNR_NO SEAT_NO
                                                BOOKED BY R
                                                                USER ID
TICKET_ID
        2001 KHIZER
                        KHIZE02 ACSL_SEAT_2
                                                KHIZER
                                                                    101
        2002 SHAHZAIB
                       SHAZE01 ACSL_SEAT_1
                                                SHAHZAIB
                                                                    102
        2003 ZOHAIB
                        ZAIBI03 ACSL_SEAT_3
                                                ZOHAIB
                                                                    103
PASSENGER ID NAME
                        PNR_NO SEAT_NO
                                                BOOKED_BY R
                                                                USER_ID
TICKET_ID
        2004 SAMAMA
                        SAIMI04 ACSL_SEAT_4
                                                SAMAMA
                                                           C
                                                                    104
```

```
SQL> insert into train_status values(1,2001,2002,2003,3001,3002,3003,5000,6000);
1 row created.
SQL> insert into train_status values(2,4001,4002,4003,5001,5002,5003,6000,7000);
1 row created.
SQL> insert into train status values (3,8001,8002,8003,9001,9002,9003,2000,4000);
1 row created.
SQL> insert into (train_status values(4,1001,1002,1003,1201,1202,1203,2700,2500);
insert into (train_status values(4,1001,1002,1003,1201,1202,1203,2700,2500)
ERROR at line 1:
ORA-00928: missing SELECT keyword
SQL> insert into train_status values (4,1001,1002,1003,1201,1202,1203,2700,2500);
1 row created.
SQL> commit;
Commit complete.
SQL> desc train_status;
                                          Nu11?
Name
                                                   Type
TRAIN ID
                                          NOT NULL NUMBER(38)
ACSL_SEAT1
                                                   NUMBER(38)
ACSL SEAT2
                                                   NUMBER(38)
                                                   NUMBER(38)
ACSL SEAT3
ECONOMY_SEAT1
                                                   NUMBER(38)
ECONOMY SEAT2
                                                   NUMBER(38)
ECONOMY_SEAT3
                                                   NUMBER(38)
ACSL FARE
                                                   FLOAT(126)
ECONOMY
                                                   FLOAT(126)
SQL> select * from train_status;
  TRAIN_ID ACSL_SEAT1 ACSL_SEAT2 ACSL_SEAT3 ECONOMY_SEAT1 ECONOMY_SEAT2
ECONOMY_SEAT3 ACSL_FARE ECONOMY
                 2001
                             2002
                                        2003
                                                       3001
                                                                      3002
         1
         3003
                    5000
                               6000
         2
                 4001
                             4002
                                         4003
                                                       5001
                                                                      5002
         5003
                    6000
                                7000
                             8002
                 8001
                                         8003
                                                       9001
                                                                      9002
         9003
                    2000
                                4000
  TRAIN_ID ACSL_SEAT1 ACSL_SEAT2 ACSL_SEAT3 ECONOMY_SEAT1 ECONOMY_SEAT2
ECONOMY_SEAT3 ACSL_FARE ECONOMY
                 1001
                             1002
                                        1003
                                                       1201
                                                                      1202
         1203
                    2700
                                2500
```

```
SQL> insert into cancel values(101,1,2001);
1 row created.
SQL> insert into cancel values(102,2,2002);
1 row created.
SQL> insert into cancel values(103,3,2003);
1 row created.
SQL> insert into cancel values(104,4,2004);
1 row created.
SQL> select * from cancel;
   USER_ID TICKET_ID PASSENGER_ID
       101
                              2001
       102
                    2
                              2002
       103
                    3
                              2003
       104
                              2004
SQL> commit;
Commit complete.
```

```
SQL> insert into books values ( 101,1);
1 row created.
SQL> insert into books values(102,2);
1 row created.
SQL> insert into books values(103,3);
1 row created.
SQL> insert into books values(104,4);
1 row created.
SQL> select * from books;
  USER_ID TICKET_ID
       101
       102
       103
       104
SQL> commit;
Commit complete.
```

```
SQL> insert into stops_at values(1,111);
1 row created.
SQL> insert into stops at values(2,222);
1 row created.
SQL> insert into stops at vaues(3,333);
insert into stops at vaues(3,333)
ERROR at line 1:
ORA-00928: missing SELECT keyword
SQL> insert into stops at values (3,333);
1 row created.
SQL> insert into stops_at values (4,444);
1 row created.
SQL> select * from stops_at;
  TRAIN_ID STATION_ID
                  111
         2
                  222
         3
                  333
                  444
SQL> commit;
```

```
SQL> insert into starts values(1,111);
1 row created.
SQL> insert into start values(2,222);
insert into start values(2,222)
ERROR at line 1:
ORA-00903: invalid table name
SQL> nsert into starts values(2,222);
SP2-0734: unknown command beginning "nsert into..." - rest of line ignored.
SQL> insert into starts values(2,222);
1 row created.
SQL> insert into starts values(3,333);
1 row created.
SQL> insert into starts values(4,444);
1 row created.
SQL> select * from start;
select * from start
ERROR at line 1:
ORA-00903: invalid table name
SQL> select * from starts;
 TRAIN_ID STATION_ID
         1
                  111
         2
                  222
         3
                  333
                  444
         4
```

```
SQL> insert into source values( 'RWP',111,1);
1 row created.
SQL> INSERT INTO SOURCE VALUES ('KAR',222,2);
1 row created.
SQL> INSERT INTO SOURCE VALUES ( 'LHR',333,3);
1 row created.
SQL> INSERT INTO SOURCE VALUES( 'FSL',444,4);
1 row created.
SQL> SELECT * FROM SOURCE;
SOURCENAME STATION_ID TICKET_ID
RWP
KAR
                  222
LHR
                  333
FSL
                  444
```

```
SQL> INSERT INTO DESTINATION VALUES('KAR',111,1);
1 row created.
SQL> INSERT INTO DESTINNATION VALUES('RWP',222,2);
INSERT INTO DESTINNATION VALUES('RWP',222,2)
ERROR at line 1:
ORA-00942: table or view does not exist
SQL> INSERT INTO DESTINATION VALUES('RWP',222,2);
1 row created.
SQL> INSERT INTO DESTINATION VALUES('FSL',333,3);
1 row created.
SQL> INSERT INTO DESTINATION VALUES('LHR',444,4);
1 row created.
SQL> COMMIT;
Commit complete.
           SQL>
    INSERT INTO REACHES VALUES(1,111,TO_DATE('05:00:00','HH:MI:SS'));
1 row created.
SQL> INSERT INTO REACHES VALUES(2,222,TO_DATE('08:00:00','HH:MI:SS'));
1 row created.
SQL> INSERT INTO REACHES VALUES(3,333,TO_DATE('10,
SQL> INSERT INTO REACHES VALUES(3,333,TO_DATE('10:00:00','HH:MI:SS'));
1 row created.
SQL> INSERT INTO REACHES VALUES(4,444,TO_DATE('04:00:00','HH:MI:SS'));
1 row created.
SQL> COMMIT;
Commit complete.
```

DESC QUERY:

SQL> DESC TRAIN; Name	Null?	Туре
TRAIN_ID TRAIN_NAME ARRIVAL DEPARTURE SEATS_AVALIABLE CURRENTDATE	NOT NULL	NUMBER(38) VARCHAR2(20) DATE DATE VARCHAR2(10) DATE
SQL> DESC USERS; Name	Null?	Туре
USER_ID PASSWORD FIRST_NAME CNIC EMAIL AGE CITY ADDRESS LAST_NAME	NOT NULL	NUMBER(38) VARCHAR2(5) VARCHAR2(10) VARCHAR2(15) VARCHAR2(15) VARCHAR2(15) NUMBER(38) VARCHAR2(20) VARCHAR2(25) VARCHAR2(10)

```
SQL> DESC STATION;
 Name
                                               Nu11?
                                                         Type
 GI_MOITAT2
                                               NOT NULL NUMBER(38)
NAME
                                                         VARCHAR2(10)
 ARRIVAL_TIME
                                                         DATE
                                                         NUMBER(38)
 TRAIN_ID
SQL> DESC TICKET;
Name
                                               Nu11?
                                                         Type
TICKET_ID
                                               NOT NULL NUMBER(38)
 USER ID
                                                         NUMBER(38)
STATŪS
                                                         CHAR(1)
                                                         NUMBER(38)
 TRAIN_ID
 TOTAL_PASSENGERS
                                                         NUMBER(38)
SQL> DESC PASSENGER;
                                               Nu11?
Name
                                                         Type
PASSENGER ID
                                               NOT NULL NUMBER(38)
                                                         UARCHAR2(10)
NAME
                                                         VARCHAR2(7)
PNR_NO
 SEAT NO
                                                         VARCHAR2(15)
                                                         VARCHAR2(10)
BOOKED_BY
 RESERVATION_STATUS
                                                         CHAR(1)
USER_ID
                                                         NUMBER(38)
 TICKET_ID
                                                         NUMBER(38)
SQL> DESC TRAIN_STATUS;
Name
                                               Nu11?
                                                         Type
                                               NOT NULL NUMBER(38)
TRAIN_ID
ACSL_SEAT1
ACSL_SEAT2
ACSL_SEAT3
                                                         NUMBER(38)
                                                         NUMBER(38)
                                                         NUMBER(38)
 ECONOMY SEAT1
                                                         NUMBER(38)
ECONOMY_SEAT2
ECONOMY_SEAT3
                                                         NUMBER(38)
                                                         NUMBER(38)
 ACSL FARE
                                                         FLOAT (126)
 ECONOMY
                                                         FLOAT (126)
```

SELECT QUERIES FOR DISPLAYING TABLES DATA:-

SQL> SELECT * F							
USER_ID PASS	W FIRST_NA 	ME CNIC		EMAIL		AGE	
CITY 	ADDR	RESS		LAST_NA	ME		
101 KHI RAWALPINDI						20	
102 SHA RAWALPINDI	SHAHZAIE NE 1	37405 1437 ST 2	-3456789-1 1 DK RWP	sk19@gmail IQBAL		19	
103 ZOH RAWALPINDI	ZOHAIB H J2	37809- 217 ST 7 I	-123456-7 Rawalpindi	malik11@gm MALIK	ail	21	
USER_ID PASS	W FIRST_NA	IME CNIC		EMAIL		AGE	
 CITY 	ADDR	RESS		LAST_NA	ME		
104 SAM Islamabad	SAMAMA G9/3	35678- 3 ISL	-098765-2	sam89@gmai KHAN	1	22	
SQL> SELECT * TRAIN_ID TRA			ARRIVAI	_ DEPART	URE SEA	NTS_AVAL	CURRENTDA
4 04	ZICTAN EV	DDECC	03- IIIN-	-21 B2IIIN	-21 YES	3	22IIIN-21
1 PH 2 AW 3 GRI 4 KH	AMI EXPRE EEN LINE YBER MAIL	SS	04-JUN- 05-JUN- 06-JUN-	-21 03-JUN -21 04-JUN -21 05-JUN	-21 NO -21 YES -21 NO	3	22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM	TRAIN;					3	22-JUN-21 22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM TRAIN_NA	TRAIN; ME	ARRIVAL D	DEPARTURE SEAT		TDA	•	22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM TRAIN_ID TRAIN_NA 1 PAKISTAN 2 AWAMI EX 3 GREEN LI 4 KHYBER M SQL> SELECT * FROM	TRAIN; ME EXPRESS PRESS NE AIL	ARRIVAL D	DEPARTURE SEAT	TS_AVAL CURREN	TDA	•	22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM TRAIN_ID TRAIN_NA 1 PAKISTAN 2 AWAMI EX 3 GREEN LI 4 KHYBER M SQL> SELECT * FROM	TRAIN; ME EXPRESS PRESS NE AIL STATION; ARRIVAL_T	ARRIVAL D	DEPARTURE SEAT	TS_AVAL CURREN	TDA	•	22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM TRAIN_ID TRAIN_NA 1 PAKISTAN 2 AWAMI EX 3 GREEN LII 4 KHYBER M SQL> SELECT * FROM: STATION_ID NAME 111 RWP STAT 222 LHR STAT 333 MUX STAT 444 KHI STAT	TRAIN; ME	ARRIVAL D	DEPARTURE SEAT	TS_AVAL CURREN	TDA		22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM TRAIN_ID TRAIN_NA 1 PAKISTAN 2 AWAMI EX 3 GREEN LII 4 KHYBER M SQL> SELECT * FROM: STATION_ID NAME 111 RWP STAT 222 LHR STAT 333 MUX STAT 444 KHI STAT	TRAIN; ME	ARRIVAL D	DEPARTURE SEAT	TS_AVAL CURREN	TDA		22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM TRAIN_ID TRAIN_NA 1 PAKISTAN 2 AWAMI EX 3 GREEN LII 4 KHYBER M SQL> SELECT * FROM: STATION_ID NAME 111 RWP STAT 222 LHR STAT 333 MUX STAT 444 KHI STAT SQL> SELECT * FROM: TRAIN_ID STATION_ 1 1 1	TRAIN; ME	ARRIVAL D	DEPARTURE SEAT	TS_AVAL CURREN	TDA		22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM TRAIN_ID TRAIN_NA 1 PAKISTAN 2 AWAMI EX 3 GREEN LI 4 KHYBER M SQL> SELECT * FROM: STATION_ID NAME 111 RWP STAT 222 LHR STAT 333 MUX STAT 444 KHI STAT SQL> SELECT * FROM: TRAIN_ID STATION_ TRAIN_ID STATION_ 1 1 2 2 3 3: 3	TRAIN; ME	ARRIVAL D	DEPARTURE SEAT	TS_AVAL CURREN	TDA		22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM TRAIN_ID TRAIN_NA 1 PAKISTAN 2 AWAMI EX 3 GREEN LI 4 KHYBER M SQL> SELECT * FROM: STATION_ID NAME 111 RWP STAT 222 LHR STAT 333 MUX STAT 444 KHI STAT SQL> SELECT * FROM: TRAIN_ID STATION_ 1 11 2 2 3 3 4 4	TRAIN; ME	ARRIVAL D	DEPARTURE SEAT	TS_AVAL CURREN	TDA		22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM TRAIN_ID TRAIN_NA 1 PAKISTAN 2 AWAMI EX 3 GREEN LI 4 KHYBER M SQL> SELECT * FROM: STATION_ID NAME 111 RWP STAT 222 LHR STAT 333 MUX STAT 444 KHI STAT SQL> SELECT * FROM: TRAIN_ID STATION_ TRAIN_ID STATION_ 1 1 2 2 3 3: 3	TRAIN; ME	ARRIVAL D	DEPARTURE SEAT	TS_AVAL CURREN	TDA		22-JUN-21 22-JUN-21 22-JUN-21
SQL> SELECT * FROM TRAIN_ID TRAIN_NAM 1 PAKISTAN 2 AWAMI EX 3 GREEN LI 4 KHYBER M SQL> SELECT * FROM: STATION_ID NAME 111 RWP STAT 222 LHR STAT 333 MUX STAT 444 KHI STAT SQL> SELECT * FROM: TRAIN_ID STATION_ 1 1: 2 2: 3 3: 4 4 SQL> SELECT * FROM: TRAIN_ID STATION_ TRAIN_ID STATION_ TRAIN_ID STATION_ TRAIN_ID STATION_ TRAIN_ID STATION_	TRAIN; ME	ARRIVAL D	DEPARTURE SEAT	TS_AVAL CURREN	TDA		22-JUN-21 22-JUN-21 22-JUN-21

SQL> SELECT * FROM REACHES;

TRAIN_ID STATION_ID TIMENOW

1	111	01-JUN-21
2	222	01-JUN-21
3	333	01-JUN-21
4	444	01-JUN-21

SQL> SELECT * FROM TICKET;

TOTAL_PASSENGERS	TRAIN_ID	S	USER_ID	TICKET_ID
		-		
3	1	В	101	1
5	2	Н	102	2
4	3	В	103	3
3	4	Н	104	4

SQL> SELECT * FROM TRAIN_STATUS;

TRAIN_ID	ACSL_SEAT1	ACSL_SEAT2	ACSL_SEAT3	ECONOMY_SEAT1	ECONOMY_SEAT2	ECONOMY_SEAT3	ACSL_FARE	
1	2001	2002	2003	3001	3002	3003	5000	6000
2	4001	4002	4003	5001	5002	5003	6000	7000
3	8001	8002	8003	9001	9002	9003	2000	4000
4	1001	1002	1003	1201	1202	1203	2700	2500

SQL> SELECT * FROM PASSENGER;

PASSENGER_ID	NAME	PNR_NO	SEAT_NO	BOOKED_BY	R	USER_ID	TICKET_ID
					-		
2001	KHIZER	KHIZE 02	ACSL_SEAT_2	KHIZER	R	101	1
2002	SHAHZAIB	SHAZE 01	ACSL_SEAT_1	SHAHZAIB	C	102	2
2003	ZOHAIB	ZAIBI 03	ACSL_SEAT_3	ZOHAIB	Н	103	3
2004	SAMAMA	SAIMI 04	ACSL_SEAT_4	SAMAMA	C	104	4

SQL> SELECT * FROM CANCEL;

USER_ID	TICKET_ID	PASSENGER_ID
101 102 103	1 2 3	2 0 0 1 2 0 0 2 2 0 0 3
104	4	2004

SQL> SELECT * FROM BOOKS;

USER_ID	TICKET_ID
101	1
102	2
103	3
104	4
	4

SQL> SELECT * FROM SOURCE;

SOURCENAME	STATION_ID	TICKET_ID
RWP	111	1
KAR	222	2
LHR	333	3
FSL	444	4

SQL> SELECT * FROM DESTINATION;

DESTINATIO	STATION_ID	TICKET_ID
KAR	111	1
RWP	222	2
FSL	333	3
LHR	444	4

SQL> SELECT * FROM USERS WHERE FIRST_NAME LIKE 'S%';

USER_ID PASSW FIRST_NAME	CNIC	EMAIL	AGE	CITY	ADDRESS	LAST_NAME
	37405-3456789-1 35678-098765-2	•			NE 1437 ST 21 DK RWP G9/3 ISL	KHAN

INNER, LEFT OUTER, RIGHT OUTER JOIN QUERIES ON OUR PROJECT:-

```
SQL>
      SELECT USERS.USER_ID FROM USERS
       INNER JOIN TICKET
      ON USERS.USER_ID=TICKET.USER_ID;
   USER_ID
        101
        102
        103
        1 84
SQL>
SQL>
SQL> SELECT USERS.USER_ID FROM USERS
  2 LEFT OUTER JOIN PASSENGER
3 ON(PASSENGER.USER_ID=USERS.USER_ID);
   USER_ID
        101
        102
        103
        104
SQL> SELECT USERS.USER_ID FROM USERS
     RIGHT OUTER JOIN PASSENGER
  3 ON(PASSENGER.USER_ID=USERS.USER_ID);
   USER_ID
        101
        1 02
        103
        104
```

FULL Join Query:-

```
SQL> SELECT USERS.USER_ID FROM USERS
2 FULL JOIN PASSENGER
3 ON(PASSENGER.USER_ID=USERS.USER_ID);

USER_ID
------
101
102
103
104
```

```
SELF Joins Query:-

SQL> SELECT U1.USER_ID FROM USERS U1,
2 USERS U2
3 WHERE U1.USER_ID=U2.USER_ID;

USER_ID
------
101
102
103
104
```

MESSAGE FOR YOU SIR!

• OTHER ALL ANY TYPE OF QUERY IS ALSO WORKING ON OUR PROJECT DUE TO TIME DEFICIENCY WE ARE NOT BE ABLE TO PASTE ALL SCREENSHOTS, REST WILL SHOW YOU IN VIVA DEPENDS ON YOU SIR.

THE END!