# Thapar Institute of Eng. & Technology
## CSED Department

## Railway Reservation System

Submitted by                                          Submitted to

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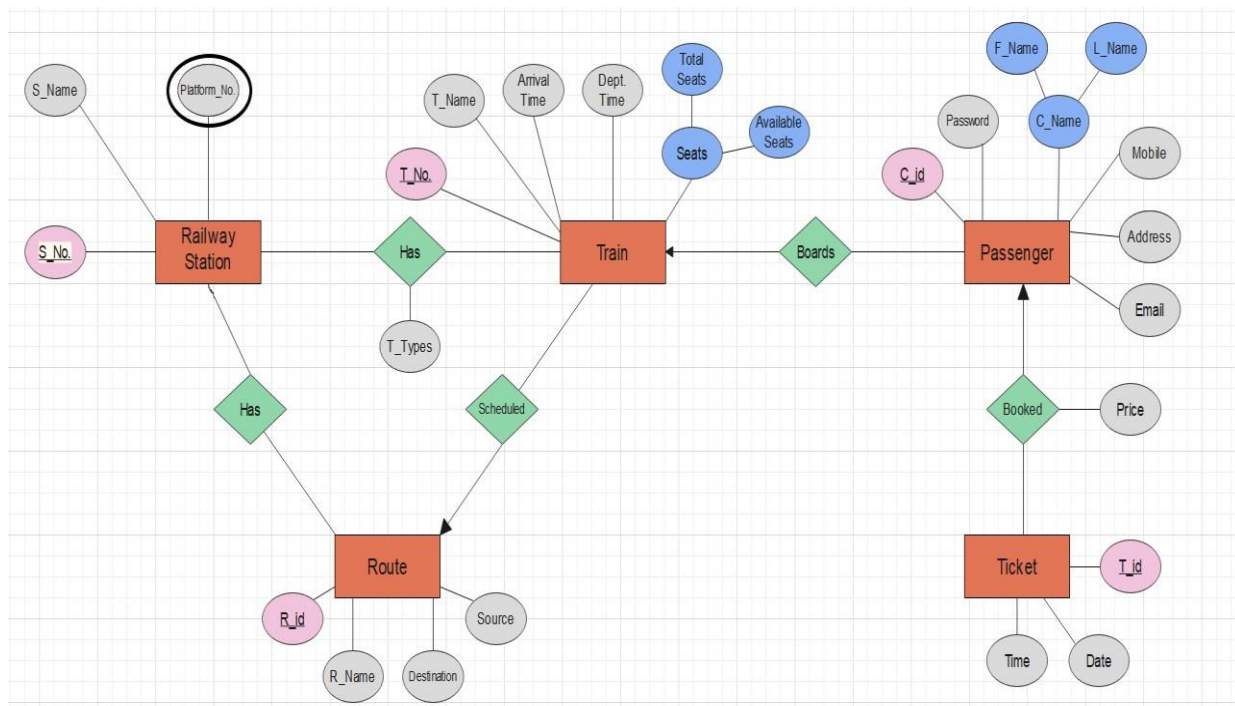Manveer Singh (102017168)

Reena Arora (102017169)

# INDEX

1. PROBLEM STATEMENT

2. ER Diagram

3. ER to Table

4. Normalization (Normalized Tables)

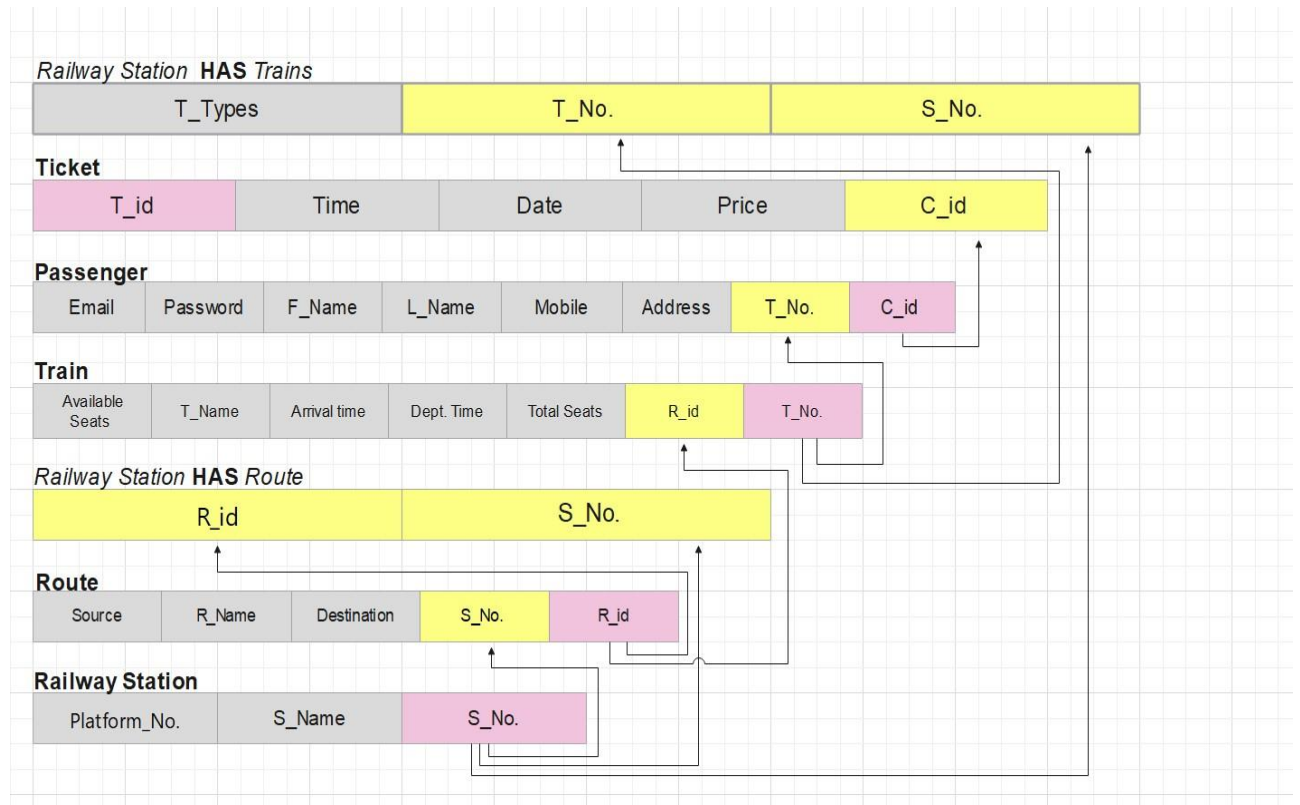5. SQL/PLSQL code

6. Output Screenshots

# PROBLEM STATEMENT

- Keeping records for train timings.
- Records of Ticket reservations.
- Details about the passenger.
- Tracking routes of the trains.
- Records of platform number and station.

# ER Diagram

# ER to Table

*Railway Station* **HAS** *Trains*

| T_Types | T_No. | S_No. |
|---------|-------|-------|

**Ticket**

| T_id | Time | Date | Price | C_id |
|------|------|------|-------|------|

**Passenger**

| Email | Password | F_Name | L_Name | Mobile | Address | T_No. | C_id |
|-------|----------|--------|--------|--------|---------|-------|------|

**Train**

| Available Seats | T_Name | Arrival time | Dept. Time | Total Seats | R_id | T_No. |
|-----------------|--------|--------------|------------|-------------|------|-------|

*Railway Station* **HAS** *Route*

| R_id | S_No. |
|------|-------|

**Route**

| Source | R_Name | Destination | S_No. | R_id |
|--------|--------|-------------|-------|------|

**Railway Station**

| Platform_No. | S_Name | S_No. |
|--------------|--------|-------|

# NORMALIZATION

Railway Station **Has** Trains:-

| T_types | T_No. | S_No. |
|---------|-------|-------|

## Ticket:- (1NF)

| T_id | C_id |
|------|------|

| T_id | Time | Date | Price |
|------|------|------|-------|

## Passenger:-

(1NF)

| C_id | T_No. |
|------|-------|

| Email | Password | F_Name | L_Name | Mobile | Address | C_id |
|-------|----------|--------|--------|--------|---------|------|

## Train:-

| Available Seats | T_Name | Arrival_time | Dept_time | Total Seats | R_id | T_No. |
|-----------------|--------|--------------|-----------|-------------|------|-------|

**Route:-**

| Source | R_Name | Destination | R_id |
|--------|--------|-------------|------|
|        |        |             |      |

Railway Station **Has** Routes:-

| S_No. | R_id |
|-------|------|
|       |      |

**Railway  Station:-**

(1NF)

| Platform_No | S_No |
|-------------|------|
|             |      |

| S_Name | S_No |
|--------|------|
|        |      |

# SQL CODE

Create table Ticket(T_id number,Tim timestamp,Dat date,Price number,C_id number)

INSERT INTO Ticket VALUES(2819542664,'22-Oct-2022 09:15','22-Oct2022',186,11741)

INSERT INTO Ticket VALUES(2819542612,'14-Sep-2021 10:45','14-Sep-2021', 125, 11248)

INSERT INTO Ticket VALUES(2819542687,'26-Apr-2021 10:10:55pm','26-Apr2021', 550, 11875)

INSERT INTO Ticket VALUES(2819542655,'10-Aug-2021 03:40:21pm','10-Aug2021',240,11657)

INSERT INTO Ticket VALUES(2819542694,'07-Mar-2021 01:57:43pm','07-Mar2021',605,11432)

Select * from Ticket

Create table Passenger(Email varchar(200),Pass varchar(200),F_Name varchar(200),L_Name varchar(200),Mobile number,Address varchar(200),T_No number,C_id number)

INSERT INTO Passenger VALUES('ybansal@gmail.com', '****', 'Yash','Bansal',123456789,'Faridabad', 12926,11248)

INSERT INTO Passenger VALUES('ayadav@yahoo.in','****', 'Arvind', 'Yadav',234567891,'Bhatinda', 12013,11432)

INSERT INTO Passenger VALUES('rsingh@gmail.com', '****', 'Rajat', 'Singh',345678921,'Hyderabad',22429,11741)

INSERT INTO Passenger VALUES('pchauhan@gmail.com','****', 'Puneet', 'Chauhan',456789312,'Mumbai',12497,11875)

INSERT INTO Passenger VALUES('hmalhotra@gmail.com', '****', 'Harshit', 'Malhotra',567894231,'Jaipur',20807,11657)

Select * from Passenger

Create table Train(AvailableSeats number,T_Name varchar(200),ArrivalTime timestamp,DepartureTime timestamp,TotalSeats number, R_id number, T_No number)

INSERT INTO Train VALUES(823,'ASR SHTBDI EXP','10-Jan-2021 07:20','10-Jan2021 01:30:30pm',1000,843,22429)

INSERT INTO Train VALUES(060,'AII ASR EXP','10-Jan-2021 8:05:05pm','11-Jan2021 12:35:35pm',500,321,12926)

INSERT INTO Train VALUES(005,'PASCHIM EXP','10-Jan-2021 11:30','10-Jan2021 02:30:30pm',500,654,12497)

INSERT INTO Train VALUES(081,'MEWAR EXP','10-Jan-2021 07:20','10-Jan-2021 1:30:30pm',250,784,20807)

INSERT INTO Train VALUES(450,'HEMKUNT EXP','10-Jan-2021 5:20:20pm','10Jan-2021 9:58:58pm',1000,591,12013)

Select * from Train

Create table Route(Source varchar(200),R_Name varchar(200),Destination varchar(200), S_No. number,R_id number);


INSERT INTO Route VALUES('Jaipur','JPJUC','Jalandhar',31,321);

INSERT INTO Route VALUES('Kota', 'KOTAUDZ', 'Udaipur', 43,784);

INSERT INTO Route VALUES('Rishikesh','RKSHCDG','Chandigarh',54,591);

INSERT INTO Route VALUES('Amritsar', 'ASRNDLS', 'New Delhi',28,843);

INSERT INTO Route VALUES('Mumbai','MMCT','Ambala',62,654);

Select * from Route

Create table RailwayStation(Platform_No number,S_Name varchar(200), S_No number);


INSERT INTO RailwayStation VALUES(3,'Rishikesh',54);

INSERT INTO RailwayStation VALUES(6,'Amritsar',28);

INSERT INTO RailwayStation VALUES(2,'Mumbai',62);

INSERT INTO RailwayStation VALUES(5,'Kota',43);

INSERT INTO RailwayStation VALUES(1,'Jaipur',31);

Select * from RailwayStation

Create table HasRoute(R_id number,S_No number);

INSERT INTO HasRoute VALUES(654,62); INSERT

INTO HasRoute VALUES(591,54); INSERT INTO

HasRoute VALUES(321,31);

INSERT INTO HasRoute VALUES(843,28);

INSERT INTO HasRoute VALUES(784,43);

Select * from HasRoute

Create table HasTrain(T_Types varchar(200),T_No number, S_No number);

INSERT INTO HasTrain VALUES(Express,22429,28);

INSERT INTO HasTrain VALUES(Express,20807,43); INSERT

INTO HasTrain VALUES(Express,12926,31); INSERT INTO

HasTrain VALUES(Express,12497,62); INSERT INTO

HasTrain VALUES(Express,12013,54);

Select * from HasTrain

Query to display details of train which arrive in evening at the station

Select * from train where to_char(ArrivalTime,'pm')='pm'

Query to display details of passenger who has taken highest Fair Ticket

select p.F_Name , p.L_Name, T.T_id,T.Price from Passenger p,Ticket T

where p.C_Id=T.C_Id and price =(select max(price) from Ticket)

Query to display train no whose station is Jaipur

select t.T_No,t.S_No,R.S_Name from HasTrain t,RailwayStation R where
R.S_Name='Jaipur' and R.S_No=t.S_No

# OUTPUT SCREENSHOTS OF SQL CODE

```
43  P_SName Passenger.L_Name%type;
44  Mob Passenger.Mobile%type;
45  Address Passenger.Address%type;
46  CustomerId Passenger.C_Id%type;
47  Cursor c IS select P.F_Name,P.L_Name,P.Mobile,P.Address,T.T_No,T.Price from Passenger P,Ticket T where T.Price=max(T.Price) and T.C_Id=P.C_Id;
48  begin
49  open c;
50  loop
51  fetch c into P_FName,P_SName,Mob,Address,CustomerId;
52  exit when c%NOTFOUND;
53  dbms_output.put_line(P_FName||' '||P_SName||' '||Mob||' '||Address||' '||CustomerId||' ');
54  end loop;
55  close c;
56  end;
57
58  Select * from train where to_char(ArrivalTime,'pm')='pm'
59  select p.F_Name , p.L_Name, T.T_Id,T.Price from Passenger
60  p,Ticket T where p.C_Id=T.C_Id and price =(select
61  max(price) from Ticket)
62
63  select T.T_No,t.S_No,R.S_Name from HasTrain t,RailwayStation R where R.S_Name='Jaipur' and R.S_No=t.S_No
```

| F_NAME | L_NAME | T_ID | PRICE |
|--------|--------|------|-------|
| Arvind | Yadav | 2819542694 | 605 |

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```
43  P_SName Passenger.L_Name%type;
44  Mob Passenger.Mobile%type;
45  Address Passenger.Address%type;
46  CustomerId Passenger.C_Id%type;
47  Cursor c IS select P.F_Name,P.L_Name,P.Mobile,P.Address,T.T_No,T.Price from Passenger P,Ticket T where T.Price=max(T.Price) and T.C_Id=P.C_Id;
48  begin
49  open c;
50  loop
51  fetch c into P_FName,P_SName,Mob,Address,CustomerId;
52  exit when c%NOTFOUND;
53  dbms_output.put_line(P_FName||' '||P_SName||' '||Mob||' '||Address||' '||CustomerId||' ');
54  end loop;
55  close c;
56  end;
57
58  Select * from train where to_char(ArrivalTime,'pm')='pm'
59  select p.F_Name , p.L_Name, T.T_Id,T.Price from Passenger
60  p,Ticket T where p.C_Id=T.C_Id and price =(select
61  max(price) from Ticket)
62
63  select T.T_No,t.S_No,R.S_Name from HasTrain t,RailwayStation R where R.S_Name='Jaipur' and R.S_No=t.S_No
```

| T_NO | S_NO | S_NAME |
|------|------|--------|
| 12926 | 31 | Jaipur |
| 12926 | 31 | Jaipur |

Download CSV
2 rows selected.

## SQL Worksheet

```
31  Select * from RailwayStation
32
33  declare
34  P_FName Passenger.F_Name%type;
35  P_SName Passenger.L_Name%type;
36  Mob Passenger.Mobile%type;
37  Address Passenger.Address%type;
38  CustomerId Passenger.C_Id%type;
39  Cursor c IS select P.F_Name,P.L_Name,P.Mobile,P.Address,T.T_No from Passenger P,Ticket T where T.Price=max(T.Price) and T.C_Id=P.C_Id;
40  begin
41  open c;
42  loop
43  fetch c into P_FName,P_SName,Mob,Address,CustomerId;
44  exit when c%NOTFOUND;
45  dbms_output.put_line(P_FName||' '||P_SName||' '||Mob||' '||Address||' '||CustomerId||' ');
46  end loop;
47  close c;
48  end;
49
50  Select * from train where to_char(ArrivalTime,'pm')='pm'
51
```

| AVAILABLESEATS | T_NAME | ARRIVALTIME | DEPARTURETIME | TOTALSEATS | R_ID | T_NO |
|---|---|---|---|---|---|---|
| 60 | AII ASR EXP | 10-JAN-21 08.05.05.000000 PM | 11-JAN-21 12.35.35.000000 PM | 500 | 321 | 12926 |
| 450 | HEMKUNT EXP | 10-JAN-21 05.20.20.000000 PM | 10-JAN-21 09.58.58.000000 PM | 1000 | 591 | 12013 |

Download CSV
2 rows selected.

---

## SQL Worksheet

```
16  INSERT INTO RailwayStation VALUES(1,'Jaipur',31);
17  Select * from RailwayStation
18
19  Create table HasRoute(R_id number,S_No number);
20
21  INSERT INTO HasRoute VALUES(654,62);
22  INSERT INTO HasRoute VALUES(591,54);
23  INSERT INTO HasRoute VALUES(321,31);
24  INSERT INTO HasRoute VALUES(843,28);
25  INSERT INTO HasRoute VALUES(784,43);
26  Select * from HasRoute
27
28  Create table HasTrain(T_Types varchar(200),T_No number, S_No number);
29
30  INSERT INTO HasTrain VALUES('Express',22429,28);
31  INSERT INTO HasTrain VALUES('Express',20807,43);
32  INSERT INTO HasTrain VALUES('Express',12926,31);
33  INSERT INTO HasTrain VALUES('Express',12497,62);
34  INSERT INTO HasTrain VALUES('Express',12013,54);
35  Select * from HasTrain
36
```

| T_TYPES | T_NO | S_NO |
|---|---|---|
| Express | 22429 | 28 |
| Express | 20807 | 43 |
| Express | 12926 | 31 |
| Express | 12497 | 62 |
| Express | 12013 | 54 |

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## SQL Worksheet

```sql
1  Create table Route(Source varchar(200),R_Name varchar(200),Destination varchar(200), S_No number,R_id number);
2
3  INSERT INTO Route VALUES('Jaipur','JPJUC','Jalandhar',31,321);
4  INSERT INTO Route VALUES('Kota', 'KOTAUDZ', 'Udaipur', 43,784);
5  INSERT INTO Route VALUES('Rishikesh','RKSHCDG','Chandigarh',54,591);
6  INSERT INTO Route VALUES('Amritsar', 'ASRNDLS', 'New Delhi',28,843);
7  INSERT INTO Route VALUES('Mumbai','MMCT','Ambala',62,654);
8  Select * from Route
```

| SOURCE | R_NAME | DESTINATION | S_NO | R_ID |
|--------|--------|-------------|------|------|
| Jaipur | JPJUC | Jalandhar | 31 | 321 |
| Kota | KOTAUDZ | Udaipur | 43 | 784 |
| Rishikesh | RKSHCDG | Chandigarh | 54 | 591 |
| Amritsar | ASRNDLS | New Delhi | 28 | 843 |
| Mumbai | MMCT | Ambala | 62 | 654 |

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## SQL Worksheet

```sql
1  Create table Route(Source varchar(200),R_Name varchar(200),Destination varchar(200), S_No number,R_id number);
2
3  INSERT INTO Route VALUES('Jaipur','JPJUC','Jalandhar',31,321);
4  INSERT INTO Route VALUES('Kota', 'KOTAUDZ', 'Udaipur', 43,784);
5  INSERT INTO Route VALUES('Rishikesh','RKSHCDG','Chandigarh',54,591);
6  INSERT INTO Route VALUES('Amritsar', 'ASRNDLS', 'New Delhi',28,843);
7  INSERT INTO Route VALUES('Mumbai','MMCT','Ambala',62,654);
8  Select * from Route
9
10 Create table RailwayStation(Platform_No number,S_Name varchar(200), S_No number);
11
12 INSERT INTO RailwayStation VALUES(3,'Rishikesh',54);
13 INSERT INTO RailwayStation VALUES(6,'Amritsar',28);
14 INSERT INTO RailwayStation VALUES(2,'Mumbai',62);
15 INSERT INTO RailwayStation VALUES(5,'Kota',43);
16 INSERT INTO RailwayStation VALUES(1,'Jaipur' ,31);
17 Select * from RailwayStation
18
```

| PLATFORM_NO | S_NAME | S_NO |
|-------------|--------|------|
| 3 | Rishikesh | 54 |
| 6 | Amritsar | 28 |
| 2 | Mumbai | 62 |
| 5 | Kota | 43 |
| 1 | Jaipur | 31 |

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**SQL Worksheet** (top window)

```sql
 4   INSERT INTO Ticket VALUES(2819542694,'07-Mar-2021 01:57:43pm','07-Mar-2021',605,11432);
 5   INSERT INTO Ticket VALUES(2819542612,'14-Sep-2021 10:45','14-Sep-2021', 125, 11248);
 6   INSERT INTO Ticket VALUES(2819542687,'26-Apr-2021 10:10:55pm','26-Apr-2021', 550, 11875);
 7   Select * from Ticket
 8
 9   Create table Passenger(Email varchar(200),Pass varchar(200),F_Name varchar(200),L_Name varchar(200),Mobile number,Address varchar(200),T_No number,C_id number);
10   INSERT INTO Passenger VALUES('ybansal@gmail.com', '****', 'Yash','Bansal',123456789,'Faridabad', 12926,11248);
11   INSERT INTO Passenger VALUES('ayadav@yahoo.in','****', 'Arvind', 'Yadav',234567891,'Bhatinda', 12013,11432);
12   INSERT INTO Passenger VALUES('rsingh@gmail.com', '****', 'Rajat', 'Singh',345678921,'Hyderabad', 22429,11741);
13   INSERT INTO Passenger VALUES('pchauhan@gmail.com', '****', 'Puneet', 'Chauhan',456789312,'Mumbai',12497,11875);
14   INSERT INTO Passenger VALUES('hmalhotra@gmail.com', '****', 'Harshit', 'Malhotra',567894231,'Jaipur',20807,11657);
15   Select * from Passenger
16
17   Create table Train(AvailableSeats number,T_Name varchar(200),ArrivalTime timestamp,DepartureTime timestamp,TotalSeats number, R_id number, T_No number);
18   INSERT INTO Train VALUES(823,'ASR SHTBDI EXP','10-Jan-2021 07:20','10-Jan-2021 01:30:30pm',1000,843,22429);
19   INSERT INTO Train VALUES(060,'AII ASR EXP','10-Jan-2021 8:05:05pm','11-Jan-2021 12:35:35pm',500,321,12926);
20   INSERT INTO Train VALUES(005,'PASCHIM EXP','10-Jan-2021 11:30','10-Jan-2021 02:30:30pm',500,654,12497) ;
21   INSERT INTO Train VALUES(081,'MEWAR EXP','10-Jan-2021 07:20','10-Jan-2021 1:30:30pm',250,784,20807);
22   INSERT INTO Train VALUES(450,'HEMKUNT EXP','10-Jan-2021 5:20:20pm','10-Jan-2021 9:58:58pm',1000,591,12013);
23   Select * from Train
24
```

| AVAILABLESEATS | T_NAME | ARRIVALTIME | DEPARTURETIME | TOTALSEATS | R_ID | T_NO |
|---|---|---|---|---|---|---|
| 823 | ASR SHTBDI EXP | 10-JAN-21 07.20.00.000000 AM | 10-JAN-21 01.30.30.000000 PM | 1000 | 843 | 22429 |
| 60 | AII ASR EXP | 10-JAN-21 08.05.05.000000 PM | 11-JAN-21 12.35.35.000000 PM | 500 | 321 | 12926 |
| 60 | AII ASR EXP | 10-JAN-21 08.05.05.000000 PM | 11-JAN-21 12.35.35.000000 PM | 500 | 321 | 12926 |
| 5 | PASCHIM EXP | 10-JAN-21 11.30.00.000000 AM | 10-JAN-21 02.30.30.000000 PM | 500 | 654 | 12497 |
| 81 | MEWAR EXP | 10-JAN-21 07.20.00.000000 AM | 10-JAN-21 01.30.30.000000 PM | 250 | 784 | 20807 |
| 450 | HEMKUNT EXP | 10-JAN-21 05.20.20.000000 PM | 10-JAN-21 09.58.58.000000 PM | 1000 | 591 | 12013 |

---

**SQL Worksheet** (bottom window)

```sql
 1   Create table Ticket(T_id number,Tim timestamp,Dat date,Price number,C_id number);
 2   INSERT INTO Ticket VALUES(2819542664,'22-Oct-2022 09:15','22-Oct-2022',186,11741);
 3   INSERT INTO Ticket VALUES(2819542655,'10-Aug-2021 03:40:21pm','10-Aug-2021',240,11657);
 4   INSERT INTO Ticket VALUES(2819542694,'07-Mar-2021 01:57:43pm','07-Mar-2021',605,11432);
 5   INSERT INTO Ticket VALUES(2819542612,'14-Sep-2021 10:45','14-Sep-2021', 125, 11248);
 6   INSERT INTO Ticket VALUES(2819542687,'26-Apr-2021 10:10:55pm','26-Apr-2021', 550, 11875);
 7   Select * from Ticket
 8
 9   Create table Passenger(Email varchar(200),Pass varchar(200),F_Name varchar(200),L_Name varchar(200),Mobile number,Address varchar(200),T_No number,C_id number);
10   INSERT INTO Passenger VALUES('ybansal@gmail.com', '****', 'Yash','Bansal',123456789,'Faridabad', 12926,11248);
11   INSERT INTO Passenger VALUES('ayadav@yahoo.in','****', 'Arvind', 'Yadav',234567891,'Bhatinda', 12013,11432);
12   INSERT INTO Passenger VALUES('rsingh@gmail.com', '****', 'Rajat', 'Singh',345678921,'Hyderabad', 22429,11741);
13   INSERT INTO Passenger VALUES('pchauhan@gmail.com', '****', 'Puneet', 'Chauhan',456789312,'Mumbai',12497,11875);
14   INSERT INTO Passenger VALUES('hmalhotra@gmail.com', '****', 'Harshit', 'Malhotra',567894231,'Jaipur',20807,11657);
15   Select * from Passenger
```

| EMAIL | PASS | F_NAME | L_NAME | MOBILE | ADDRESS | T_NO | C_ID |
|---|---|---|---|---|---|---|---|
| ybansal@gmail.com | **** | Yash | Bansal | 123456789 | Faridabad | 12926 | 11248 |
| ayadav@yahoo.in | **** | Arvind | Yadav | 234567891 | Bhatinda | 12013 | 11432 |
| rsingh@gmail.com | **** | Rajat | Singh | 345678921 | Hyderabad | 22429 | 11741 |
| pchauhan@gmail.com | **** | Puneet | Chauhan | 456789312 | Mumbai | 12497 | 11875 |
| hmalhotra@gmail.com | **** | Harshit | Malhotra | 567894231 | Jaipur | 20807 | 11657 |

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# PLSQL CODE

1.To display details of passenger declare

P_FName Passenger.F_Name%type;

P_SName Passenger.L_Name%type;

Mob Passenger.Mobile%type;

Address Passenger.Address%type;

Cursor c IS select F_Name,L_Name,Mobile,Address from Passenger; begin

open c; loop fetch c into P_FName,P_SName,Mob,Address; exit when

c%NOTFOUND; dbms_output.put_line(P_FName||' '||P_SName||'

'||Mob||' '||Address); end loop; close c; end;

2.To display the details of passenger whose train is in evening declare

P_FName Passenger.F_Name%type;

P_SName Passenger.L_Name%type;

Mob Passenger.Mobile%type;

Address Passenger.Address%type;

TrainNo Passenger.T_No%type;

Cursor c IS select P.F_Name,P.L_Name,P.Mobile,P.Address,T.T_No from Passenger P,Train T where

to_char(T.ArrivalTime,'pm')='pm' and T.T_No=P.T_No; begin open c; loop fetch c into

P_FName,P_SName,Mob,Address,TrainNo; exit when c%NOTFOUND;

dbms_output.put_line(P_FName||' '||P_SName||' '||Mob||' '||Address||' '||TrainNo||' ');

end loop; close c; end;

3. To display the details of passenger whose has taken highest fair ticket declare

P_FName Passenger.F_Name%type;

P_SName Passenger.L_Name%type;

Mob Passenger.Mobile%type;

Address Passenger.Address%type;

CustomerId Passenger.C_Id%type;

Cursor c IS select P.F_Name,P.L_Name,P.Mobile,P.Address,T.C_Id from Passenger P,Ticket T where

Price=(select max(Price) from Ticket) and T.C_Id=P.C_Id; begin open c; loop fetch c into

P_FName,P_SName,Mob,Address,CustomerId; exit when c%NOTFOUND;

dbms_output.put_line(P_FName||' '||P_SName||' '||Mob||' '||Address||' '||CustomerId||' ');

end loop; close c; end;

# OUTPUT SCREENSHOTS OF PLSQL CODE

Live SQL

SQL Worksheet

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```
3   INSERT INTO Passenger VALUES('ayadav@yahoo.in','****', 'Arvind', 'Yadav',234567891,'Bhatinda', 12013,11432)
4   INSERT INTO Passenger VALUES('rsingh@gmail.com', '****', 'Rajat', 'Singh',345678921,'Hyderabad',22429,11741)
5   INSERT INTO Passenger VALUES('pchauhan@gmail.com','****', 'Puneet', 'Chauhan',456789312,'Mumbai',12497,11875)
6   INSERT INTO Passenger VALUES('hmalhotra@gmail.com', '****', 'Harshit', 'Malhotra',567894231,'Jaipur',20807,11657)
7
8   Select * from Passenger
9   declare
10  P_FName Passenger.F_Name%type;
11  P_SName Passenger.L_Name%type;
12  Mob Passenger.Mobile%type;
13  Address Passenger.Address%type;
14  Cursor c IS select F_Name,L_Name,Mobile,Address from Passenger;
15  begin
16  open c;
17  loop
18  fetch c into P_FName,P_SName,Mob,Address;
19  exit when c%NOTFOUND;
20  dbms_output.put_line(P_FName||' '||P_SName||' '||Mob||' '||Address);
21  end loop;
22  close c;
23  end;
```

```
Statement processed.
Puneet Chauhan 456789312 Mumbai
Harshit Malhotra 567894231 Jaipur
Yash Bansal 123456789 Faridabad
Arvind Yadav 234567891 Bhatinda
Rajat Singh 345678921 Hyderabad
```