Information Technology Institute
Data Management Track
Data Warehouse Project
(Intake 42/2021)

Project DDLs: **2**

Decision Maker Questions as described in the case-study: (Queries) **10**

1-What flights do the company's frequent flyers take? 10

2-what fare basis do they pay? 11

3 – How often do they upgrade? 11

4 – how often do they downgrade? 11

5– how often do they don't make a change? 12

6 - how do they earn and redeem their frequent flier miles? 12

7- whether they respond to special fare promotions, and specify the promotion? 13

8- what proportion of these frequent flyers have gold, platinum or titanium status? 13

9- What is the company's total profit? 13

10- What's the average problem severity? 13

Screenshots of Sample data : **14**

- **Project DDLs:**

```
-----PASSENGER TABLE  ------------
CREATE TABLE PASSENGER (
PASSENGER_KEY NUMBER PRIMARY KEY,
PASSENGER_NATIONAL_KEY NUMBER ,
PASSENGER_EMAIL VARCHAR2(30),
PASSENGER_FIRST_NAME VARCHAR2(30),
PASSENGER_LAST_NAME VARCHAR2(30),
PASSENGER_GENDER VARCHAR2(30),
PASSENGER_PHONE VARCHAR2(30),
PASSENGER_ADDRESS VARCHAR2(30)
);

-------FLIGHT_STATUS TABLE --------
CREATE TABLE FLIGHT_STATUS(
FLIGHT_STATUS_KEY NUMBER PRIMARY KEY,
FLIGHT_STATUS_TYPE VARCHAR2(25)
);

-----ADD COLUMN TO PASSENGER-------
ALTER TABLE PASSENGER
ADD FLIGHT_STATUS_KEY NUMBER;

--------- CONSTRAINT FLIGHT_STATUS----------
ALTER TABLE PASSENGER
ADD CONSTRAINT CK_FLIGHT_STATUS
FOREIGN KEY    (FLIGHT_STATUS_KEY)
REFERENCES FLIGHT_STATUS(FLIGHT_STATUS_KEY);

--------FLIGHT TABLE--------

CREATE TABLE FLIGHT(
FLIGHT_KEY NUMBER PRIMARY KEY,
FLIGHT_NUMBER NUMBER ,
FLIGHT_DESCRIPTION VARCHAR2(50),
FLIGHT_SOURCE VARCHAR2(25),
```

```
FLIGHT_DESTINATION VARCHAR2(25),
FLIGHT_MILES NUMBER ,
FLIGHT_DURATION NUMBER );

ALTER TABLE FLIGHT
MODIFY FLIGHT_NUMBER VARCHAR2(40);

-------- PROMOTIONS TABLE ------

CREATE TABLE PROMOTIONS(
PROMOTION_KEY NUMBER PRIMARY KEY,
PROMOTION_CODE NUMBER ,
PROMOTION_DESCRIPTION VARCHAR2(50));


---------AIRPORT TABLE ----------

CREATE TABLE AIRPORT (
AIRPORT_KEY NUMBER PRIMARY KEY,
AIRPORT_CODE NUMBER,
AIRPORT_NAME VARCHAR2(30),
AIRPORT_LOCATION VARCHAR2(30)
);



ALTER TABLE AIRPORT
MODIFY AIRPORT_CODE VARCHAR2(50);

----------RESERVATION_CHANNEL TABLE------

CREATE TABLE RESERVATION_CHANNEL(
CHANNEL_KEY NUMBER PRIMARY KEY,
CHANNEL_CODE NUMBER,
CHANNEL_TYPE VARCHAR2(30)
);

-------FAREBASIS TABLE------

CREATE TABLE FARE_BASIS(
```

```
FARE_BASIS_KEY NUMBER PRIMARY KEY,
FARE_BASIS_CODE NUMBER,
FARE_BASIS_DESCRIPTION VARCHAR2(30)
);


--------CLASS_TYPE TABLE----

CREATE  TABLE CLASS_TYPE(
CLASS_KEY NUMBER PRIMARY KEY,
CLASS_CODE NUMBER ,
CLASS_NAME VARCHAR2(30),
CLASS_START_DATE DATE,
CLASS_END_DATE DATE,
CLASS_INDICATOR VARCHAR2(30),
UPGRADE_REASEON VARCHAR2(30)
);

ALTER TABLE CLASS_TYPE
DROP COLUMN  CLASS_START_DATE;




--------MODIFICATIONS----

ALTER TABLE CLASS_TYPE
DROP COLUMN  CLASS_END_DATE;

ALTER TABLE CLASS_TYPE
ADD CLASS_PURCHASED VARCHAR2(50);

ALTER TABLE CLASS_TYPE
ADD CLASS_FLOWN VARCHAR2(50);

ALTER TABLE CLASS_TYPE
DROP COLUMN FLIGHT_KEY;
```

```
-------FEEDBACK TABLE-----

CREATE TABLE FEEDBACK(
FEEDBACK_KEY NUMBER PRIMARY KEY,
FEEBACK_CODE NUMBER,
FEEDBACK_DESCRIPTION VARCHAR2(30),
FEEDBACK_TYPE NUMBER,
CONSTRAINT FK_FEEDBACK_TYPE
FOREIGN KEY(FEEDBACK_TYPE)
REFERENCES FEEDBACK_TYPES(FEEBACK_TYPE_KEY)
);


---------FEEDBACK_TYPE TABLE------

CREATE TABLE FEEDBACK_TYPES(
FEEBACK_TYPE_KEY NUMBER PRIMARY KEY,
FEEDBACK_TYPE VARCHAR2(30)
);


-----------DATE TABLE-------

CREATE TABLE DATE_TABLE(
DATE_KEY NUMBER PRIMARY   KEY,
FULL_DATE   DATE
);

-------FLIGHT ACTIVITY FACT TABLE ------

CREATE TABLE FLIGHT_ACTIVITY_FACT(
FLIGHT_KEY NUMBER,
PASSENGER_KEY   NUMBER,
AIRPORT_SOURCE_KEY NUMBER,
AIRPORT_DEST_KEY NUMBER,
```

```
SEGMENT_SOURCE_KEY NUMBER,
SEGMENT_DEST_KEY NUMBER,
SEGMENT_DEPARTURE_DATE_KEY NUMBER,
SEGMENT_LANDING_DATE_KEY NUMBER,
FLIGHT_DEPARTURE_DATE_KEY NUMBER,
FLIGHT_LANDING_DATE_KEY NUMBER,
FARE_BASIS_KEY NUMBER,
RESERVATION_CHANNEL_KEY NUMBER,
TICKET_NUM NUMBER,
TOTAL_MILES NUMBER,
SEGMENT_DURATION NUMBER,
TICKET_FEES NUMBER,
TOTAL_PROFIT NUMBER,
CONSTRAINT FK_FLIGHT_ACTIVITY
FOREIGN KEY (FLIGHT_KEY)
REFERENCES FLIGHT(FLIGHT_KEY),


CONSTRAINT FK_PASSENGER_KEY
FOREIGN KEY (PASSENGER_KEY)
REFERENCES  PASSENGER(PASSENGER_KEY),


CONSTRAINT FK_AIRPORT_SOURCE_KEY
FOREIGN KEY (AIRPORT_SOURCE_KEY)
REFERENCES  AIRPORT(AIRPORT_KEY),

CONSTRAINT FK_AIRPORT_DEST_KEY
FOREIGN KEY (AIRPORT_DEST_KEY)
REFERENCES  AIRPORT(AIRPORT_KEY),

CONSTRAINT FK_SEGMENT_SOURCE_KEY
FOREIGN KEY (SEGMENT_SOURCE_KEY)
REFERENCES  AIRPORT(AIRPORT_KEY),

CONSTRAINT FK_SEGMENT_DEST_KEY
FOREIGN KEY (SEGMENT_DEST_KEY)
REFERENCES  AIRPORT(AIRPORT_KEY),
```

```
CONSTRAINT FK_SEGMENT_DEPARTURE_DATE_KEY
FOREIGN KEY (SEGMENT_DEPARTURE_DATE_KEY)
REFERENCES  DATE_TABLE(DATE_KEY),



CONSTRAINT FK_SEGMENT_LANDING_DATE_KEY
FOREIGN KEY (SEGMENT_LANDING_DATE_KEY)
REFERENCES  DATE_TABLE(DATE_KEY),



CONSTRAINT FK_FLIGHT_DEPARTURE_DATE_KEY
FOREIGN KEY (FLIGHT_DEPARTURE_DATE_KEY)
REFERENCES  DATE_TABLE(DATE_KEY),

CONSTRAINT FK_FLIGHT_LANDING_DATE_KEY
FOREIGN KEY (FLIGHT_LANDING_DATE_KEY)
REFERENCES  DATE_TABLE(DATE_KEY),


CONSTRAINT FK_FARE_BASIS_KEY
FOREIGN KEY (FARE_BASIS_KEY)
REFERENCES  FARE_BASIS(FARE_BASIS_KEY),


CONSTRAINT FK_RESERVATION_CHANNEL_KEY
FOREIGN KEY (RESERVATION_CHANNEL_KEY)
REFERENCES  RESERVATION_CHANNEL(CHANNEL_KEY)

);

--------PROMOTION FACT TABLE ---------

CREATE TABLE PROMOTION_FACT(
FLIGHT_KEY NUMBER,
```

```
PASSENGER_KEY   NUMBER,
PROMOTION_KEY NUMBER,

CONSTRAINT FK_FLIGHT_ACTIVITY_PR
FOREIGN KEY (FLIGHT_KEY)
REFERENCES FLIGHT(FLIGHT_KEY),

CONSTRAINT FK_PASSENGER_KEY_PR
FOREIGN KEY (PASSENGER_KEY)
REFERENCES   PASSENGER(PASSENGER_KEY),

CONSTRAINT FK_PROMOTION_KEY
FOREIGN KEY (PROMOTION_KEY)
REFERENCES   PROMOTIONS(PROMOTION_KEY)
);



------CLASS UPGRADE FACT TABLE ------

CREATE TABLE CLASS_UPGRADE_FACT(
PASSENGER_KEY   NUMBER,
CLASS_TYPE_KEY NUMBER,
TOTAL_UPGRADES NUMBER,
TOTAL_DOWNGRADES NUMBER,


CONSTRAINT FK_PASSENGER_KEY_TYPE_CLASS
FOREIGN KEY (PASSENGER_KEY)
REFERENCES   PASSENGER(PASSENGER_KEY),


CONSTRAINT FK_CLASS_TYPE_KEY
FOREIGN KEY (CLASS_TYPE_KEY)
REFERENCES   CLASS_TYPE(CLASS_KEY)
);


--------MODIFICATIONS----
```

```
ALTER TABLE CLASS_UPGRADE_FACT
ADD FLIGHT_KEY NUMBER;

ALTER TABLE CLASS_UPGRADE_FACT
ADD CONSTRAINT FK_CLASS_TYPE_FLIGHT FOREIGN KEY (FLIGHT_KEY)
REFERENCES FLIGHT(FLIGHT_KEY);


----------INTERACTIONS FACT TABLE ---------

CREATE TABLE INTERACTIONS_FACT(

PASSENGER_KEY   NUMBER,
FEEDBACK_KEY NUMBER,
DATE_KEY NUMBER,

TOTAL_INQUIRIES NUMBER,

CONSTRAINT FK_PASSENGER_KEY_INTERACTION
FOREIGN KEY (PASSENGER_KEY)
REFERENCES   PASSENGER(PASSENGER_KEY),

CONSTRAINT FK_FEEDBACK_KEY_INTERACTION
FOREIGN KEY (FEEDBACK_KEY)
REFERENCES   FEEDBACK(FEEDBACK_KEY),


CONSTRAINT FK_DATE_KEY_INTERACTION
FOREIGN KEY (DATE_KEY)
REFERENCES   DATE_TABLE(DATE_KEY)
);
```

- **Decision Maker Questions as described in the case-study: (Queries)**

1- **What flights do the company's frequent flyers take?**

QUERY:

```
SELECT FA.PASSENGER_KEY , SUM(FA.TOTAL_MILES) AS TOTAL_MILES ,
P.PASSENGER_FIRST_NAME ,
F.FLIGHT_SOURCE , F.FLIGHT_DESTINATION
FROM FLIGHT_ACTIVITY_FACT FA , PASSENGER P , FLIGHT F
WHERE FA.PASSENGER_KEY = P.PASSENGER_KEY
AND F.FLIGHT_KEY = FA.FLIGHT_KEY
GROUP BY FA.PASSENGER_KEY , P.PASSENGER_FIRST_NAME,
F.FLIGHT_SOURCE , F.FLIGHT_DESTINATION
HAVING  SUM(FA.TOTAL_MILES) > 10000;
```

2-what fare basis do they pay?

QUERY:

```
SELECT  FA.PASSENGER_KEY , P.PASSENGER_FIRST_NAME , B.FARE_BASIS_CODE,
B.FARE_BASIS_DESCRIPTION , SUM(FA.TOTAL_MILES) AS TOTAL_MILES
FROM FLIGHT_ACTIVITY_FACT FA , PASSENGER P , FARE_BASIS B
WHERE FA.PASSENGER_KEY = P.PASSENGER_KEY
AND
FA.FARE_BASIS_KEY = B.FARE_BASIS_KEY
GROUP BY FA.PASSENGER_KEY , P.PASSENGER_FIRST_NAME, B.FARE_BASIS_CODE,
B.FARE_BASIS_DESCRIPTION
```

```
HAVING  SUM(FA.TOTAL_MILES) > 10000;
```

---

3 – How often do they upgrade?

```
SELECT P.PASSENGER_KEY , COUNT(1) AS TOTAL_UPGRADE
FROM PASSENGER P , CLASS_TYPE C , CLASS_UPGRADE_FACT T
WHERE P.PASSENGER_KEY = T.PASSENGER_KEY
AND C.CLASS_KEY = T.CLASS_TYPE_KEY
AND C.CLASS_INDICATOR = 'Upgrade'
GROUP BY P.PASSENGER_KEY;
```

---

4 – how often do they downgrade?

```
SELECT P.PASSENGER_KEY , COUNT(1) AS TOTAL_DOWNGRADE
FROM PASSENGER P , CLASS_TYPE C , CLASS_UPGRADE_FACT T
WHERE P.PASSENGER_KEY = T.PASSENGER_KEY
AND C.CLASS_KEY = T.CLASS_TYPE_KEY
AND C.CLASS_INDICATOR = 'Downgrade'
GROUP BY P.PASSENGER_KEY;
```

5– how often do they don't make a change?

```
SELECT P.PASSENGER_KEY , COUNT(1) AS TOTAL_NO_CHANGES
FROM PASSENGER P , CLASS_TYPE C , CLASS_UPGRADE_FACT T
WHERE P.PASSENGER_KEY = T.PASSENGER_KEY
AND C.CLASS_KEY = T.CLASS_TYPE_KEY
AND C.CLASS_INDICATOR = 'No Class Change'
GROUP BY P.PASSENGER_KEY;
```

---

6 - how do they earn and redeem their frequent flier miles?

```
INSERT INTO PASSENGER (PASSENGER_KEY , PASSENGER_FIRST_NAME ,
PASSENGER_LAST_NAME,
PASSENGER_EMAIL,FLIGHT_STATUS_KEY, PASSENGER_ADDRESS,
PASSENGER_GENDER, PASSENGER_NATIONAL_KEY, PASSENGER_PHONE)
SELECT  P.PASSENGER_KEY , P.PASSENGER_FIRST_NAME ,
P.PASSENGER_LAST_NAME,
P.PASSENGER_EMAIL,2, P.PASSENGER_ADDRESS, P.PASSENGER_GENDER,
P.PASSENGER_NATIONAL_KEY, P.PASSENGER_PHONE
FROM FLIGHT_ACTIVITY_FACT F , PASSENGER P  , FLIGHT_STATUS S
WHERE F.PASSENGER_KEY  = P.PASSENGER_KEY
AND P.FLIGHT_STATUS_KEY =  S.FLIGHT_STATUS_KEY
GROUP BY P.PASSENGER_KEY , P.PASSENGER_FIRST_NAME ,
P.PASSENGER_LAST_NAME,
P.PASSENGER_EMAIL,2, P.PASSENGER_ADDRESS, P.PASSENGER_GENDER,
P.PASSENGER_NATIONAL_KEY, P.PASSENGER_PHONE
HAVING  SUM(TOTAL_MILES)  > 10000  ;
```

7- whether they respond to special fare promotions, and specify the promotion?

```
SELECT P.PASSENGER_FIRST_NAME , M.PROMOTION_DESCRIPTION
FROM PASSENGER P , PROMOTIONS M , PROMOTION_FACT MT
WHERE P.PASSENGER_KEY = MT.PASSENGER_KEY
AND M.PROMOTION_KEY = MT.PROMOTION_KEY
GROUP BY  P.PASSENGER_FIRST_NAME ,M.PROMOTION_DESCRIPTION;
```

8- what proportion of these frequent flyers have gold, platinum or titanium status?

```
SELECT  F.FLIGHT_STATUS_TYPE ,TRUNC(COUNT(P.FLIGHT_STATUS_KEY)/(SELECT
COUNT(*) FROM PASSENGER)*100,2) AS percentage
FROM  PASSENGER P , FLIGHT_STATUS F
WHERE P.FLIGHT_STATUS_KEY = F.FLIGHT_STATUS_KEY
GROUP BY F.FLIGHT_STATUS_TYPE;
```

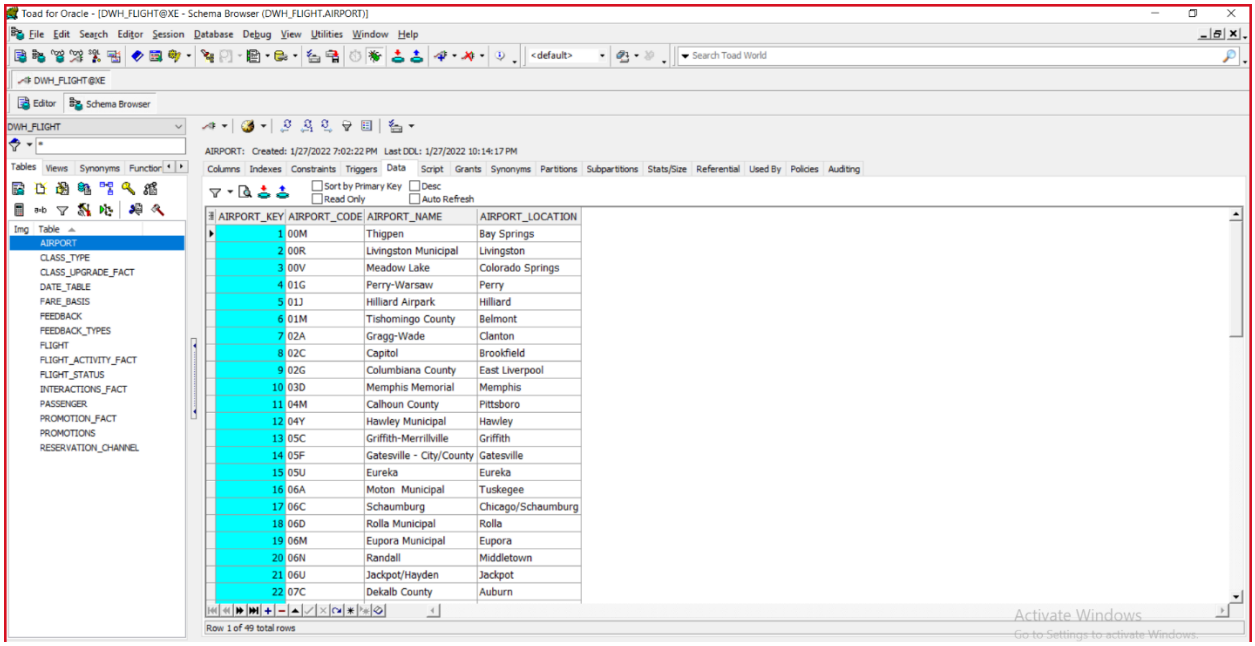
9- What is the company's total profit?

```
SELECT SUM(TICKET_FEES) AS TOTAL_PROFIT
FROM FLIGHT_ACTIVITY_FACT ;
```

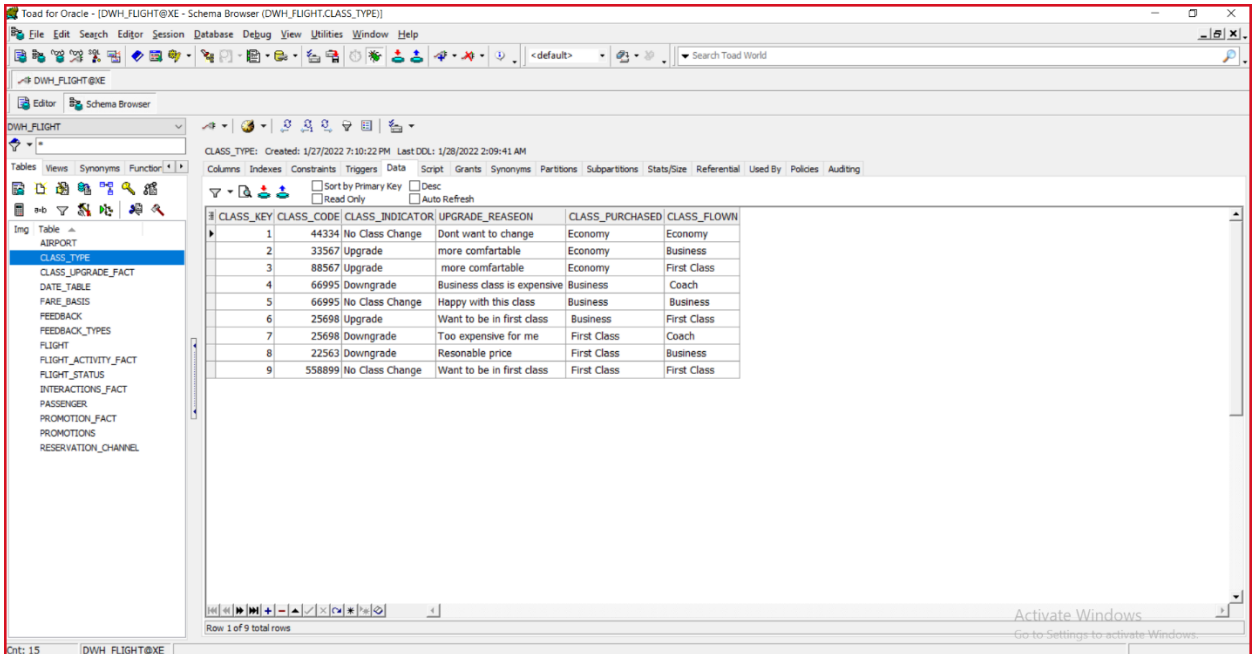
10- What's the average problem severity?

```
SELECT  T.FEEDBACK_TYPE , AVG(F.PROBLEM_SEVERITY) AS PROBLEM_SEVERITY
FROM FEEDBACK F , FEEDBACK_TYPES T , INTERACTIONS_FACT N
WHERE F.FEEDBACK_TYPE = T.FEEBACK_TYPE_KEY
AND N.FEEDBACK_KEY = F.FEEDBACK_KEY
AND T.FEEBACK_TYPE_KEY= 2
GROUP BY   T.FEEDBACK_TYPE ;
```

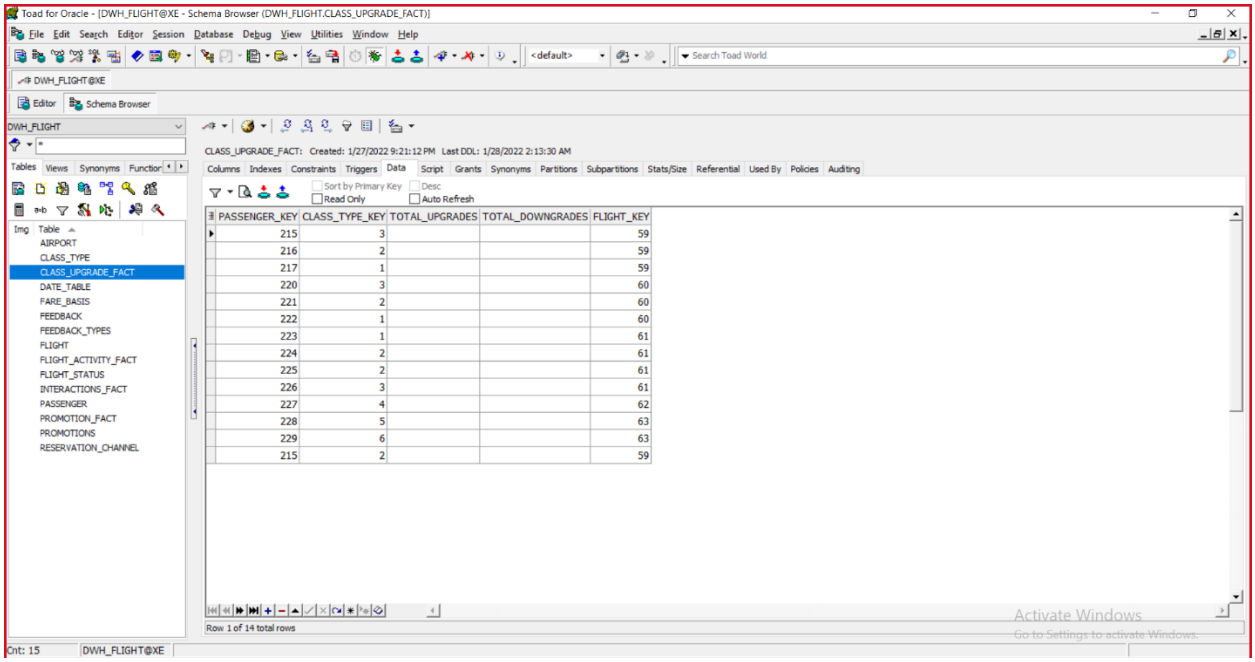
- **Screenshots of Sample data :**

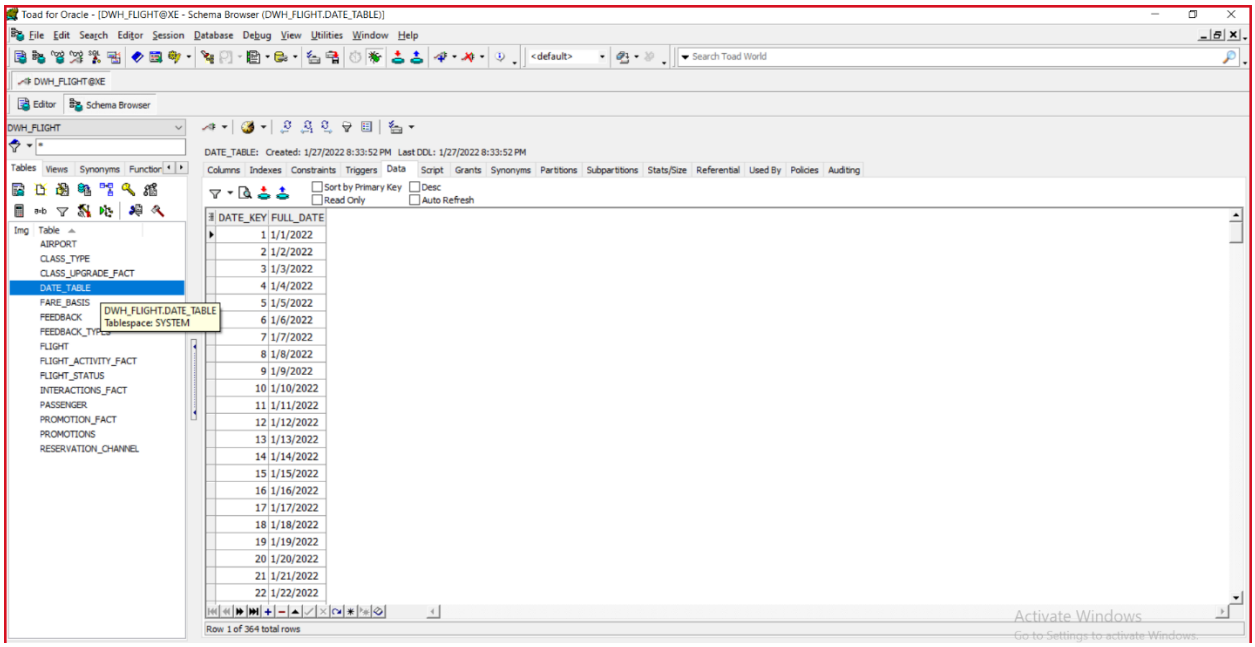


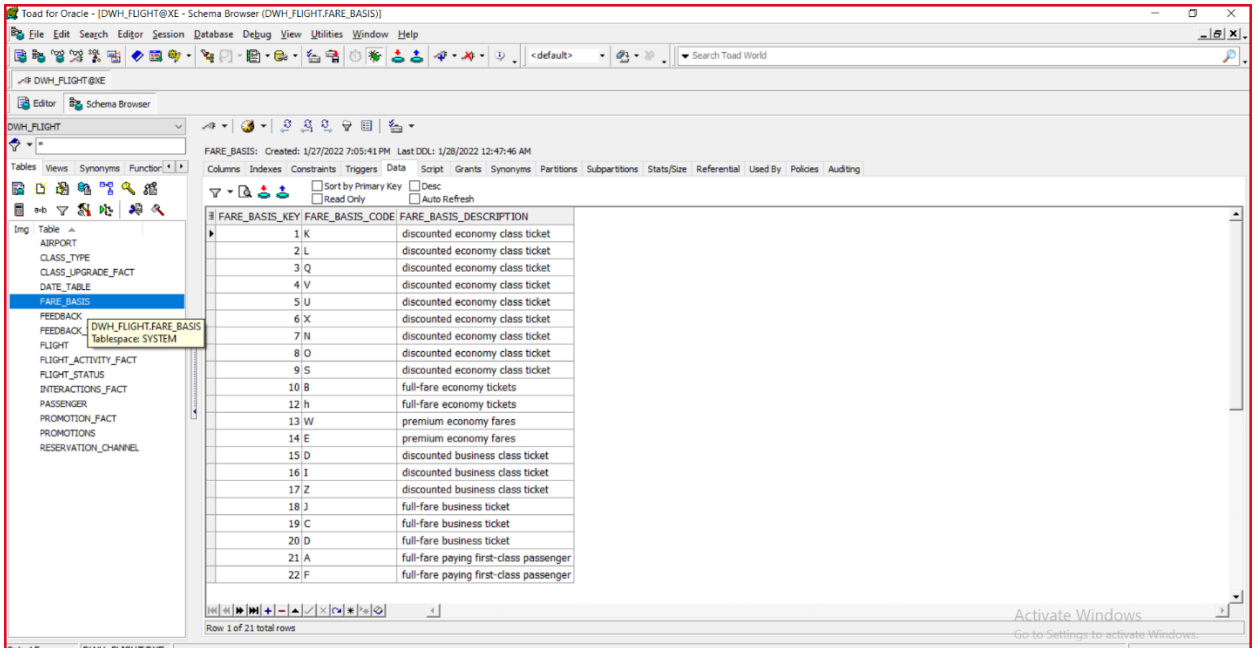
AIRPORT_KEY	AIRPORT_CODE	AIRPORT_NAME	AIRPORT_LOCATION
1	00M	Thigpen	Bay Springs
2	00R	Livingston Municipal	Livingston
3	00V	Meadow Lake	Colorado Springs
4	01G	Perry-Warsaw	Perry
5	01J	Hilliard Airpark	Hilliard
6	01M	Tishomingo County	Belmont
7	02A	Gragg-Wade	Clanton
8	02C	Capitol	Brookfield
9	02G	Columbiana County	East Liverpool
10	03D	Memphis Memorial	Memphis
11	04M	Calhoun County	Pittsboro
12	04Y	Hawley Municipal	Hawley
13	05C	Griffith-Merrillville	Griffith
14	05F	Gatesville - City/County	Gatesville
15	05U	Eureka	Eureka
16	06A	Moton Municipal	Tuskegee
17	06C	Schaumburg	Chicago/Schaumburg
18	06D	Rolla Municipal	Rolla
19	06M	Eupora Municipal	Eupora
20	06N	Randall	Middletown
21	06U	Jackpot/Hayden	Jackpot
22	07C	Dekalb County	Auburn



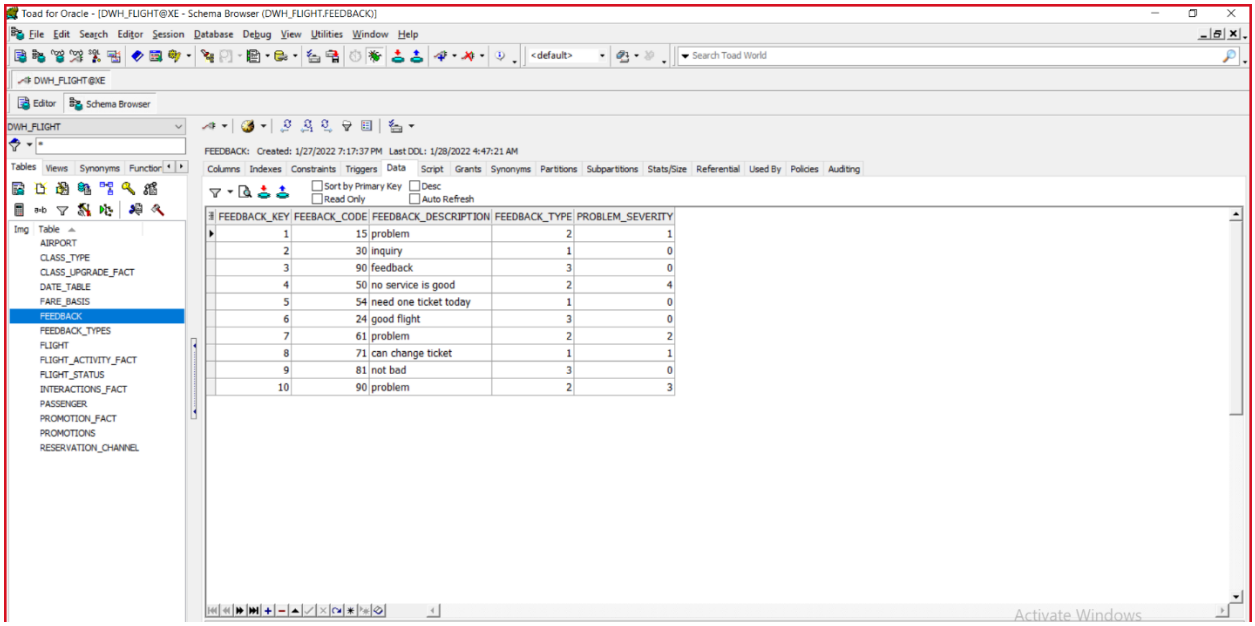
CLASS_KEY	CLASS_CODE	CLASS_INDICATOR	UPGRADE_REASEON	CLASS_PURCHASED	CLASS_FLOWN
1	44334	No Class Change	Dont want to change	Economy	Economy
2	33567	Upgrade	more comfartable	Economy	Business
3	88567	Upgrade	more comfartable	Economy	First Class
4	66995	Downgrade	Business class is expensive	Business	Coach
5	66995	No Class Change	Happy with this class	Business	Business
6	25698	Upgrade	Want to be in first class	Business	First Class
7	25698	Downgrade	Too expensive for me	First Class	Coach
8	22563	Downgrade	Resonable price	First Class	Business
9	558899	No Class Change	Want to be in first class	First Class	First Class


Toad for Oracle - [DWH_FLIGHT@XE - Schema Browser (DWH_FLIGHT.CLASS_UPGRADE_FACT)]
DWH_FLIGHT@XE
Editor
Schema Browser
DWH_FLIGHT
Tables
Views
Synonyms
Function
Table
AIRPORT
CLASS_TYPE
CLASS_UPGRADE_FACT
DATE_TABLE
FARE_BASIS
FEEDBACK
FEEDBACK_TYPES
FLIGHT
FLIGHT_ACTIVITY_FACT
FLIGHT_STATUS
INTERACTIONS_FACT
PASSENGER
PROMOTION_FACT
PROMOTIONS
RESERVATION_CHANNEL
CLASS_UPGRADE_FACT: Created: 1/27/2022 9:21:12 PM Last DDL: 1/28/2022 2:13:30 AM
Columns
Indexes
Constraints
Triggers
Data
Script
Grants
Synonyms
Partitions
Subpartitions
Stats/Size
Referential
Used By
Policies
Auditing
Sort by Primary Key
Desc
Read Only
Auto Refresh
PASSENGER_KEY CLASS_TYPE_KEY TOTAL_UPGRADES TOTAL_DOWNGRADES FLIGHT_KEY
215 3 59
216 2 59
217 1 59
220 3 60
221 2 60
222 1 60
223 1 61
224 2 61
225 2 61
226 3 61
227 4 62
228 5 63
229 6 63
215 2 59
Row 1 of 14 total rows
Cnt: 15
DWH_FLIGHT@XE
Activate Windows
Go to Settings to activate Windows.

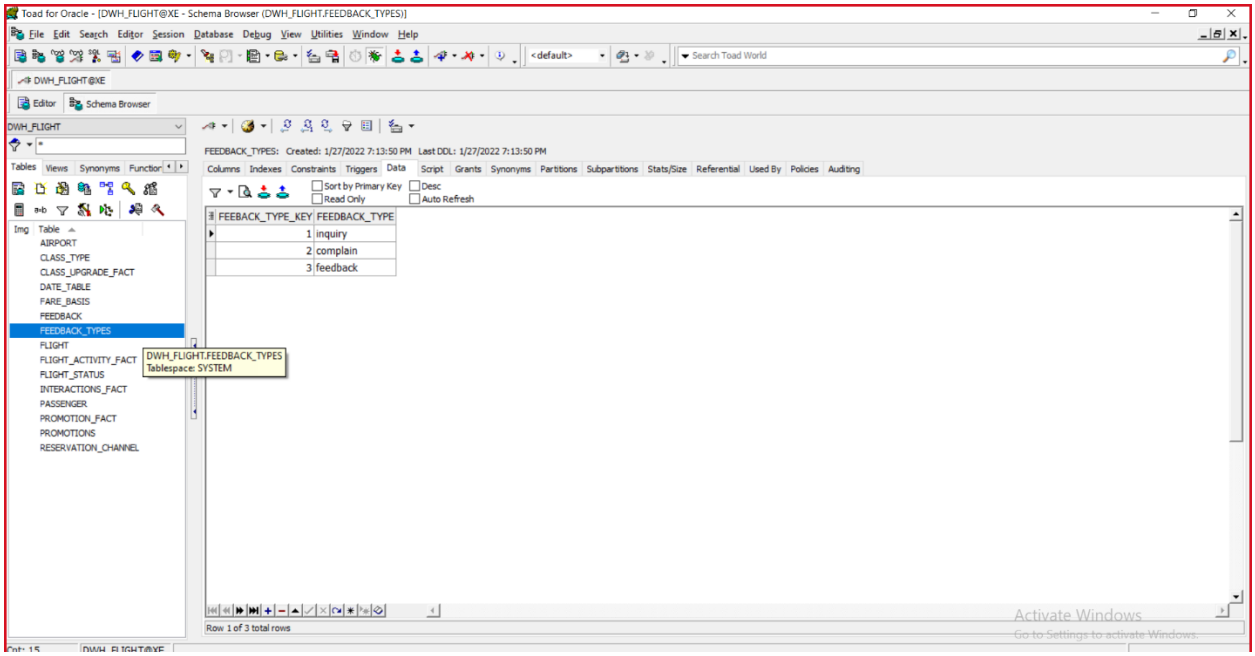

Toad for Oracle - [DWH_FLIGHT@XE - Schema Browser (DWH_FLIGHT.DATE_TABLE)]
DWH_FLIGHT@XE
Editor
Schema Browser
DWH_FLIGHT
Tables
Views
Synonyms
Function
Table
AIRPORT
CLASS_TYPE
CLASS_UPGRADE_FACT
DATE_TABLE
FARE_BASIS
FEEDBACK
FEEDBACK_TYPES
FLIGHT
FLIGHT_ACTIVITY_FACT
FLIGHT_STATUS
INTERACTIONS_FACT
PASSENGER
PROMOTION_FACT
PROMOTIONS
RESERVATION_CHANNEL
DWH_FLIGHT.DATE_TABLE
Tablespace: SYSTEM
DATE_TABLE: Created: 1/27/2022 8:33:52 PM Last DDL: 1/27/2022 8:33:52 PM
Columns
Indexes
Constraints
Triggers
Data
Script
Grants
Synonyms
Partitions
Subpartitions
Stats/Size
Referential
Used By
Policies
Auditing
Sort by Primary Key
Desc
Read Only
Auto Refresh
DATE_KEY FULL_DATE
1 1/1/2022
2 1/2/2022
3 1/3/2022
4 1/4/2022
5 1/5/2022
6 1/6/2022
7 1/7/2022
8 1/8/2022
9 1/9/2022
10 1/10/2022
11 1/11/2022
12 1/12/2022
13 1/13/2022
14 1/14/2022
15 1/15/2022
16 1/16/2022
17 1/17/2022
18 1/18/2022
19 1/19/2022
20 1/20/2022
21 1/21/2022
22 1/22/2022
Row 1 of 364 total rows
Activate Windows
Go to Settings to activate Windows.

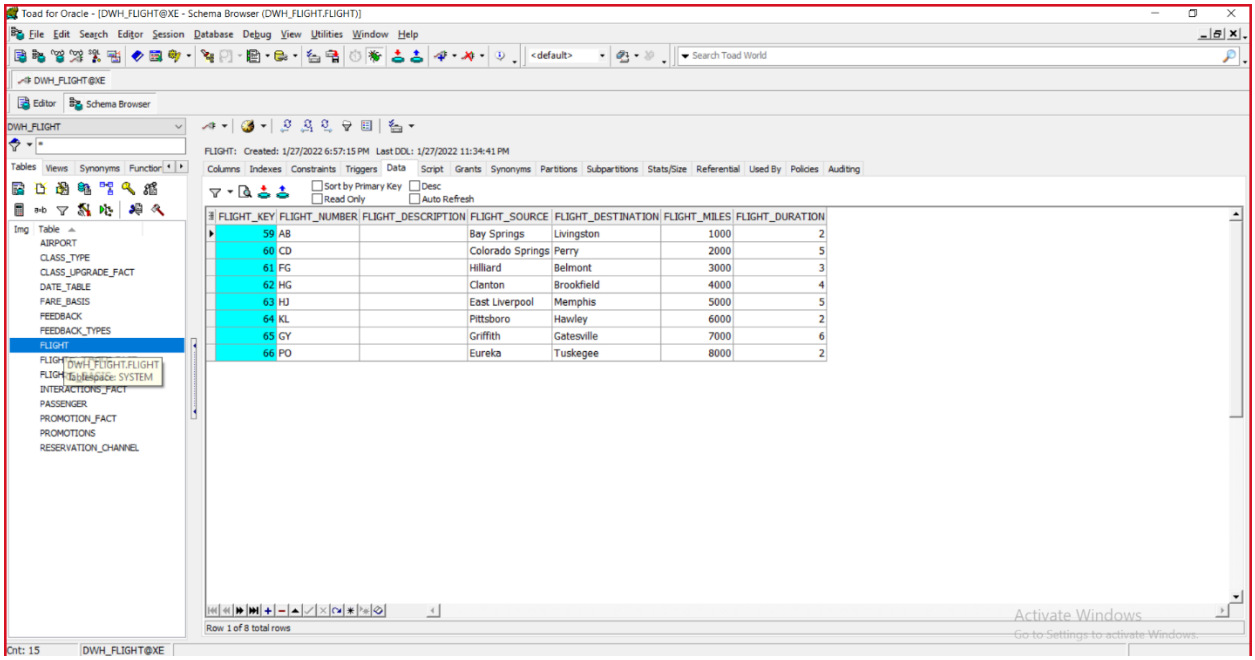


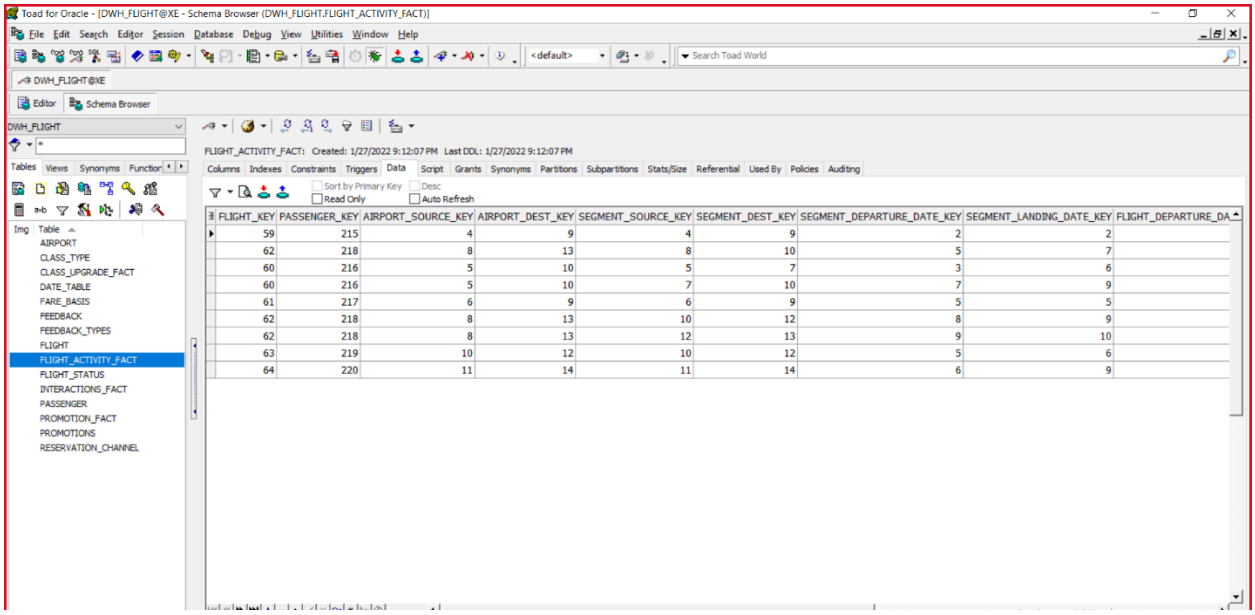
FARE_BASIS_KEY	FARE_BASIS_CODE	FARE_BASIS_DESCRIPTION
1	K	discounted economy class ticket
2	L	discounted economy class ticket
3	Q	discounted economy class ticket
4	V	discounted economy class ticket
5	U	discounted economy class ticket
6	X	discounted economy class ticket
7	N	discounted economy class ticket
8	O	discounted economy class ticket
9	S	discounted economy class ticket
10	B	full-fare economy tickets
12	h	full-fare economy tickets
13	W	premium economy fares
14	E	premium economy fares
15	D	discounted business class ticket
16	I	discounted business class ticket
17	Z	discounted business class ticket
18	J	full-fare business ticket
19	C	full-fare business ticket
20	D	full-fare business ticket
21	A	full-fare paying first-class passenger
22	F	full-fare paying first-class passenger



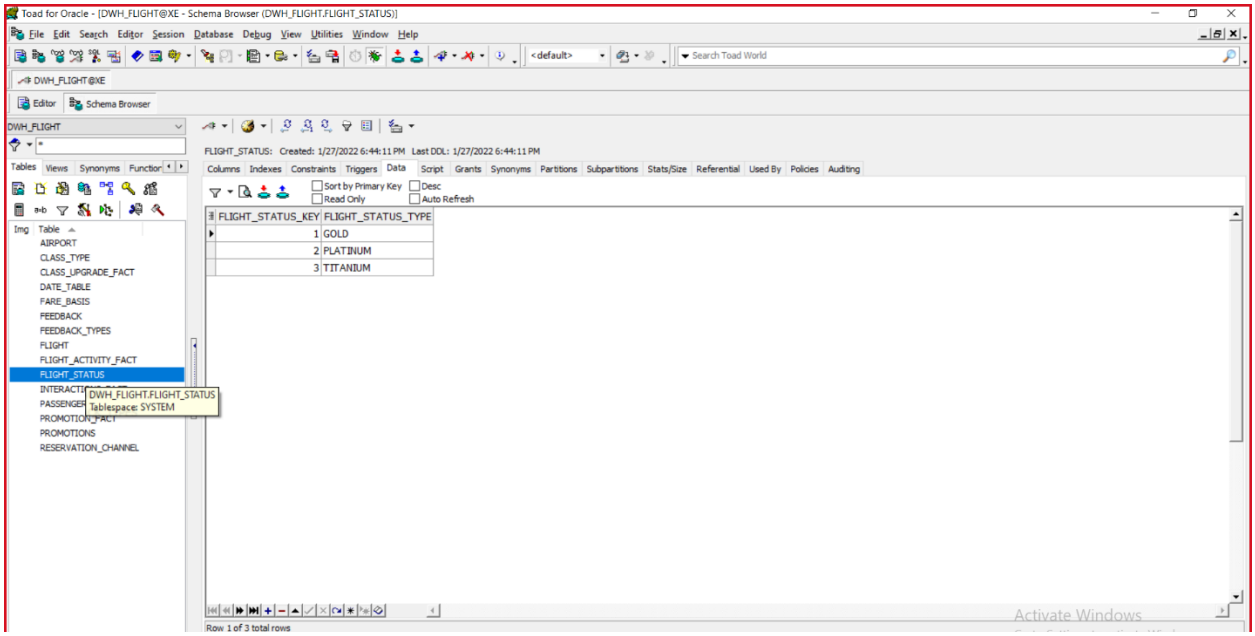
FEEDBACK_KEY	FEEBACK_CODE	FEEDBACK_DESCRIPTION	FEEDBACK_TYPE	PROBLEM_SEVERITY
1	15	problem	2	1
2	30	inquiry	1	0
3	90	feedback	3	0
4	50	no service is good	2	4
5	54	need one ticket today	1	0
6	24	good flight	3	0
7	61	problem	2	2
8	71	can change ticket	1	1
9	81	not bad	3	0
10	90	problem	2	3


Toad for Oracle - [DWH_FLIGHT@XE - Schema Browser (DWH_FLIGHT.FEEDBACK_TYPES)]
DWH_FLIGHT@XE
Editor
Schema Browser
DWH_FLIGHT
FEEDBACK_TYPES: Created: 1/27/2022 7:13:50 PM Last DDL: 1/27/2022 7:13:50 PM
Columns Indexes Constraints Triggers Data Script Grants Synonyms Partitions Subpartitions Stats/Size Referential Used By Policies Auditing
Sort by Primary Key
Desc
Read Only
Auto Refresh
FEEBACK_TYPE_KEY FEEDBACK_TYPE
1 inquiry
2 complain
3 feedback
AIRPORT
CLASS_TYPE
CLASS_UPGRADE_FACT
DATE_TABLE
FARE_BASIS
FEEDBACK
FEEDBACK_TYPES
FLIGHT
FLIGHT_ACTIVITY_FACT
FLIGHT_STATUS
INTERACTIONS_FACT
PASSENGER
PROMOTION_FACT
PROMOTIONS
RESERVATION_CHANNEL
DWH_FLIGHT.FEEDBACK_TYPES
Tablespace: SYSTEM
Row 1 of 3 total rows
Activate Windows

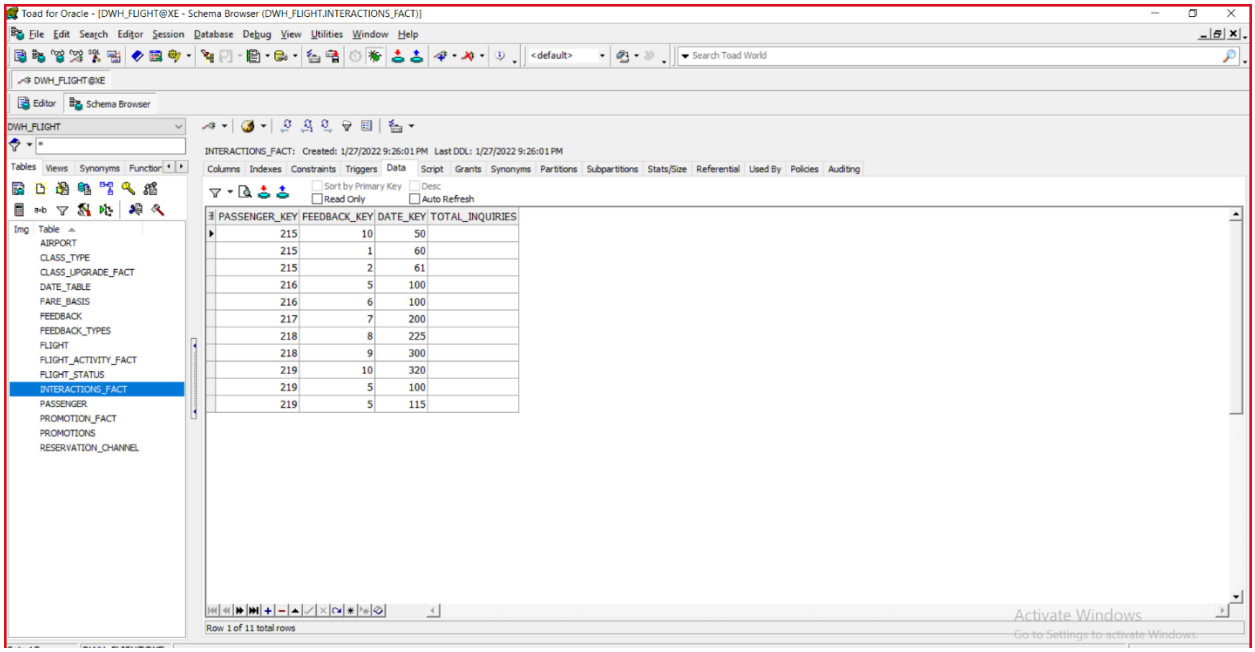

Toad for Oracle - [DWH_FLIGHT@XE - Schema Browser (DWH_FLIGHT.FLIGHT)]
DWH_FLIGHT@XE
Editor
Schema Browser
DWH_FLIGHT
FLIGHT: Created: 1/27/2022 6:57:15 PM Last DDL: 1/27/2022 11:34:41 PM
Columns Indexes Constraints Triggers Data Script Grants Synonyms Partitions Subpartitions Stats/Size Referential Used By Policies Auditing
Sort by Primary Key
Desc
Read Only
Auto Refresh
FLIGHT_KEY FLIGHT_NUMBER FLIGHT_DESCRIPTION FLIGHT_SOURCE FLIGHT_DESTINATION FLIGHT_MILES FLIGHT_DURATION
59 AB Bay Springs Livingston 1000 2
60 CD Colorado Springs Perry 2000 5
61 FG Hilliard Belmont 3000 3
62 HG Clanton Brookfield 4000 4
63 HJ East Liverpool Memphis 5000 5
64 KL Pittsboro Hawley 6000 2
65 GY Griffith Gatesville 7000 6
66 PO Eureka Tuskegee 8000 2
AIRPORT
CLASS_TYPE
CLASS_UPGRADE_FACT
DATE_TABLE
FARE_BASIS
FEEDBACK
FEEDBACK_TYPES
FLIGHT
INTERACTIONS_FACT
PASSENGER
PROMOTION_FACT
PROMOTIONS
RESERVATION_CHANNEL
DWH_FLIGHT.FLIGHT
Tablespace: SYSTEM
Row 1 of 8 total rows
Activate Windows

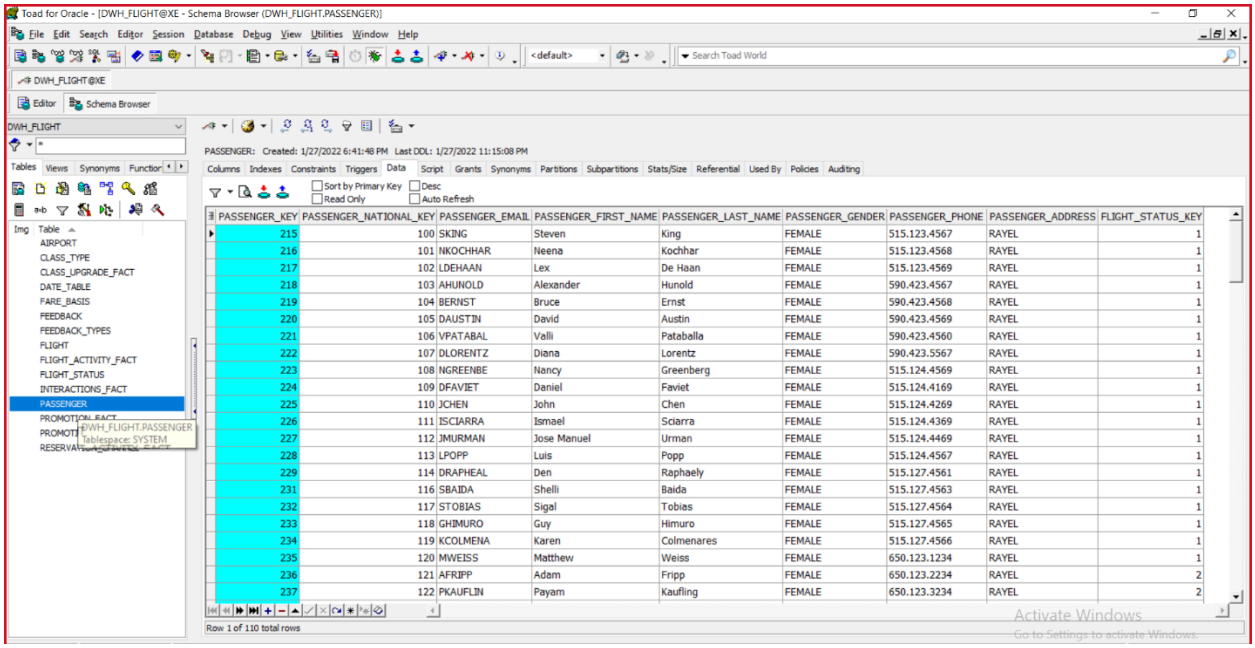


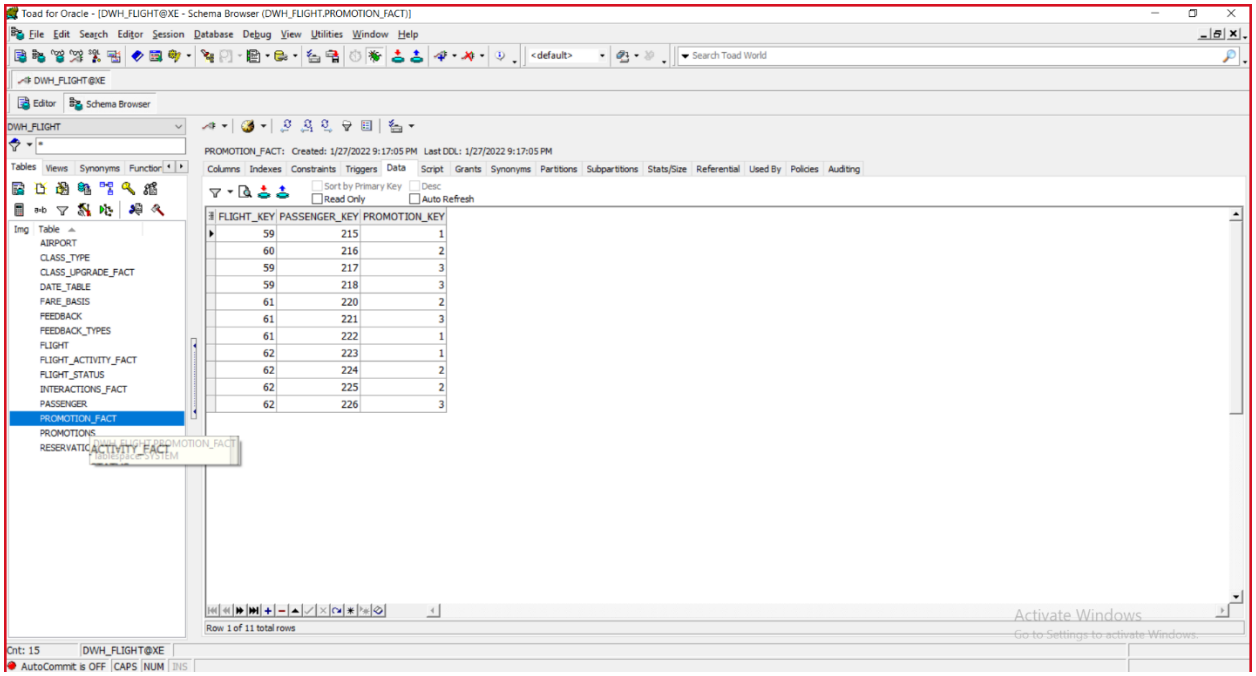
FLIGHT_KEY	PASSENGER_KEY	AIRPORT_SOURCE_KEY	AIRPORT_DEST_KEY	SEGMENT_SOURCE_KEY	SEGMENT_DEST_KEY	SEGMENT_DEPARTURE_DATE_KEY	SEGMENT_LANDING_DATE_KEY	FLIGHT_DEPARTURE_DA
59	215	4	9	4	9	2	2	
62	218	8	13	8	10	5	7	
60	216	5	10	5	7	3	6	
60	216	5	10	7	10	7	9	
61	217	6	9	6	9	5	5	
62	218	8	13	10	12	8	9	
62	218	8	13	12	13	9	10	
63	219	10	12	10	12	5	6	
64	220	11	14	11	14	6	9	

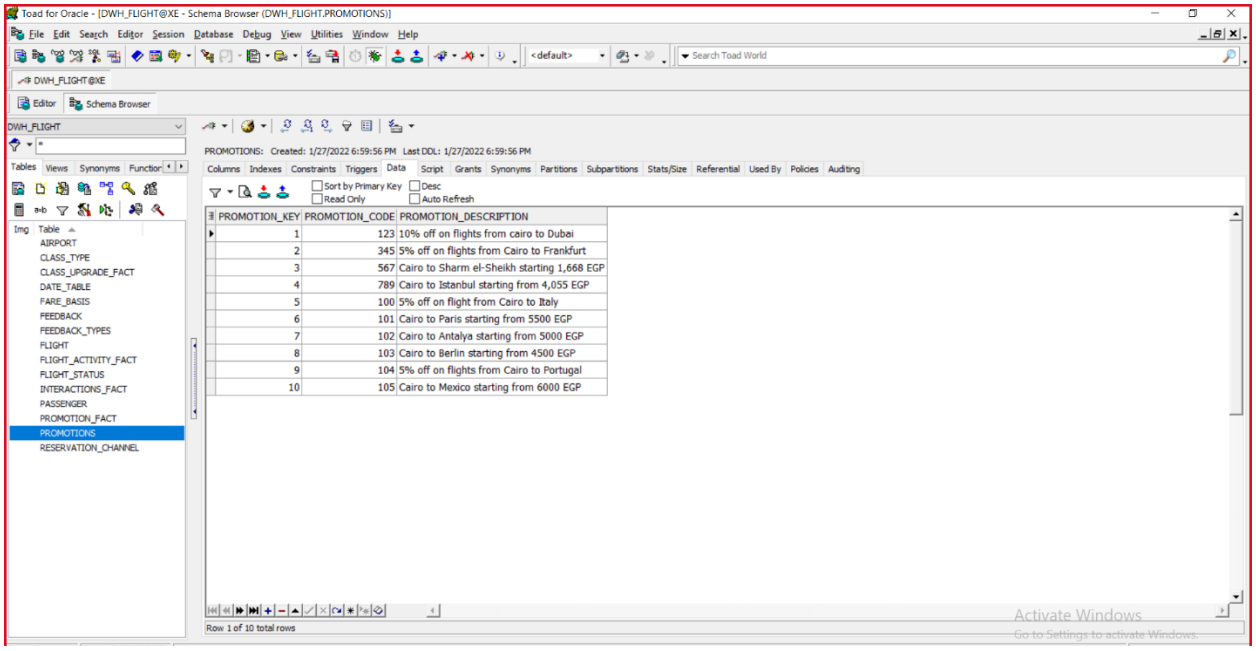


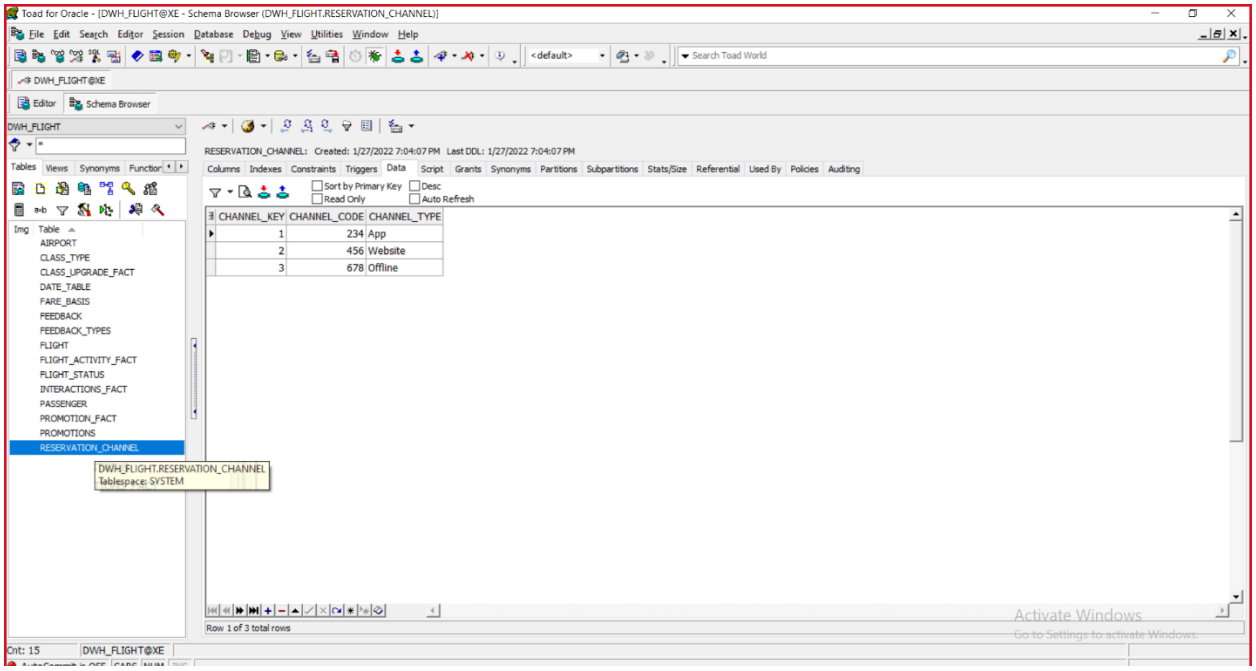
FLIGHT_STATUS_KEY	FLIGHT_STATUS_TYPE
1	GOLD
2	PLATINUM
3	TITANIUM


Toad for Oracle - [DWH_FLIGHT@XE - Schema Browser (DWH_FLIGHT.INTERACTIONS_FACT)]
DWH_FLIGHT@XE
Editor
Schema Browser
DWH_FLIGHT
INTERACTIONS_FACT: Created: 1/27/2022 9:26:01 PM Last DDL: 1/27/2022 9:26:01 PM
Columns Indexes Constraints Triggers Data Script Grants Synonyms Partitions Subpartitions Stats/Size Referential Used By Policies Auditing
Sort by Primary Key
Desc
Read Only
Auto Refresh
PASSENGER_KEY FEEDBACK_KEY DATE_KEY TOTAL_INQUIRIES
215 10 50
215 1 60
215 2 61
216 5 100
216 6 100
217 7 200
218 8 225
218 9 300
219 10 320
219 5 100
219 5 115
AIRPORT
CLASS_TYPE
CLASS_UPGRADE_FACT
DATE_TABLE
FARE_BASIS
FEEDBACK
FEEDBACK_TYPES
FLIGHT
FLIGHT_ACTIVITY_FACT
FLIGHT_STATUS
INTERACTIONS_FACT
PASSENGER
PROMOTION_FACT
PROMOTIONS
RESERVATION_CHANNEL
Row 1 of 11 total rows
Activate Windows


Toad for Oracle - [DWH_FLIGHT@XE - Schema Browser (DWH_FLIGHT.PASSENGER)]
DWH_FLIGHT@XE
Editor
Schema Browser
DWH_FLIGHT
PASSENGER: Created: 1/27/2022 6:41:48 PM Last DDL: 1/27/2022 11:15:08 PM
Columns Indexes Constraints Triggers Data Script Grants Synonyms Partitions Subpartitions Stats/Size Referential Used By Policies Auditing
Sort by Primary Key
Desc
Read Only
Auto Refresh
PASSENGER_KEY PASSENGER_NATIONAL_KEY PASSENGER_EMAIL PASSENGER_FIRST_NAME PASSENGER_LAST_NAME PASSENGER_GENDER PASSENGER_PHONE PASSENGER_ADDRESS FLIGHT_STATUS_KEY
215 100 SKING Steven King FEMALE 515.123.4567 RAYEL 1
216 101 NKOCHHAR Neena Kochhar FEMALE 515.123.4568 RAYEL 1
217 102 LDEHAAN Lex De Haan FEMALE 515.123.4569 RAYEL 1
218 103 AHUNOLD Alexander Hunold FEMALE 590.423.4567 RAYEL 1
219 104 BERNST Bruce Ernst FEMALE 590.423.4568 RAYEL 1
220 105 DAUSTIN David Austin FEMALE 590.423.4569 RAYEL 1
221 106 VPATABAL Valli Pataballa FEMALE 590.423.4560 RAYEL 1
222 107 DLORENTZ Diana Lorentz FEMALE 590.423.5567 RAYEL 1
223 108 NGREENBE Nancy Greenberg FEMALE 515.124.4569 RAYEL 1
224 109 DFAVIET Daniel Faviet FEMALE 515.124.4169 RAYEL 1
225 110 JCHEN John Chen FEMALE 515.124.4269 RAYEL 1
226 111 ISCIARRA Ismael Sciarra FEMALE 515.124.4369 RAYEL 1
227 112 JMURMAN Jose Manuel Urman FEMALE 515.124.4469 RAYEL 1
228 113 LPOPP Luis Popp FEMALE 515.124.4567 RAYEL 1
229 114 DRAPHEAL Den Raphaely FEMALE 515.127.4561 RAYEL 1
231 116 SBAIDA Shelli Baida FEMALE 515.127.4563 RAYEL 1
232 117 STOBIAS Sigal Tobias FEMALE 515.127.4564 RAYEL 1
233 118 GHIMURO Guy Himuro FEMALE 515.127.4565 RAYEL 1
234 119 KCOLMENA Karen Colmenares FEMALE 515.127.4566 RAYEL 1
235 120 MWEISS Matthew Weiss FEMALE 650.123.1234 RAYEL 1
236 121 AFRIPP Adam Fripp FEMALE 650.123.2234 RAYEL 2
237 122 PKAUFLIN Payam Kaufling FEMALE 650.123.3234 RAYEL 2
AIRPORT
CLASS_TYPE
CLASS_UPGRADE_FACT
DATE_TABLE
FARE_BASIS
FEEDBACK
FEEDBACK_TYPES
FLIGHT
FLIGHT_ACTIVITY_FACT
FLIGHT_STATUS
INTERACTIONS_FACT
PASSENGER
DWH_FLIGHT.PASSENGER
Tablespace: SYSTEM
Row 1 of 110 total rows
Activate Windows


Toad for Oracle - [DWH_FLIGHT@XE - Schema Browser (DWH_FLIGHT.PROMOTION_FACT)]
File Edit Search Editor Session Database Debug View Utilities Window Help
DWH_FLIGHT@XE
Editor
Schema Browser
DWH_FLIGHT
Tables Views Synonyms Function
Img Table
AIRPORT
CLASS_TYPE
CLASS_UPGRADE_FACT
DATE_TABLE
FARE_BASIS
FEEDBACK
FEEDBACK_TYPES
FLIGHT
FLIGHT_ACTIVITY_FACT
FLIGHT_STATUS
INTERACTIONS_FACT
PASSENGER
PROMOTION_FACT
PROMOTIONS
RESERVATION_ACTIVITY_FACT
PROMOTION_FACT: Created: 1/27/2022 9:17:05 PM Last DDL: 1/27/2022 9:17:05 PM
Columns Indexes Constraints Triggers Data Script Grants Synonyms Partitions Subpartitions Stats/Size Referential Used By Policies Auditing
Sort by Primary Key
Desc
Read Only
Auto Refresh
FLIGHT_KEY PASSENGER_KEY PROMOTION_KEY
59 215 1
60 216 2
59 217 3
59 218 3
61 220 2
61 221 3
61 222 1
62 223 1
62 224 2
62 225 2
62 226 3
Row 1 of 11 total rows
Activate Windows
Go to Settings to activate Windows.
Cnt: 15
DWH_FLIGHT@XE
AutoCommit is OFF
CAPS
NUM
INS


Toad for Oracle - [DWH_FLIGHT@XE - Schema Browser (DWH_FLIGHT.PROMOTIONS)]
DWH_FLIGHT@XE
Editor
Schema Browser
DWH_FLIGHT
PROMOTIONS: Created: 1/27/2022 6:59:56 PM Last DDL: 1/27/2022 6:59:56 PM
Columns Indexes Constraints Triggers Data Script Grants Synonyms Partitions Subpartitions Stats/Size Referential Used By Policies Auditing
Sort by Primary Key
Desc
Read Only
Auto Refresh
PROMOTION_KEY PROMOTION_CODE PROMOTION_DESCRIPTION
1 123 10% off on flights from cairo to Dubai
2 345 5% off on flights from Cairo to Frankfurt
3 567 Cairo to Sharm el-Sheikh starting 1,668 EGP
4 789 Cairo to Istanbul starting from 4,055 EGP
5 100 5% off on flight from Cairo to Italy
6 101 Cairo to Paris starting from 5500 EGP
7 102 Cairo to Antalya starting from 5000 EGP
8 103 Cairo to Berlin starting from 4500 EGP
9 104 5% off on flights from Cairo to Portugal
10 105 Cairo to Mexico starting from 6000 EGP
AIRPORT
CLASS_TYPE
CLASS_UPGRADE_FACT
DATE_TABLE
FARE_BASIS
FEEDBACK
FEEDBACK_TYPES
FLIGHT
FLIGHT_ACTIVITY_FACT
FLIGHT_STATUS
INTERACTIONS_FACT
PASSENGER
PROMOTION_FACT
PROMOTIONS
RESERVATION_CHANNEL
Row 1 of 10 total rows
Activate Windows


Toad for Oracle - [DWH_FLIGHT@XE - Schema Browser (DWH_FLIGHT.RESERVATION_CHANNEL)]
DWH_FLIGHT@XE
Editor
Schema Browser
DWH_FLIGHT
RESERVATION_CHANNEL: Created: 1/27/2022 7:04:07 PM Last DDL: 1/27/2022 7:04:07 PM
Columns Indexes Constraints Triggers Data Script Grants Synonyms Partitions Subpartitions Stats/Size Referential Used By Policies Auditing
Sort by Primary Key
Desc
Read Only
Auto Refresh
CHANNEL_KEY CHANNEL_CODE CHANNEL_TYPE
1 234 App
2 456 Website
3 678 Offline
AIRPORT
CLASS_TYPE
CLASS_UPGRADE_FACT
DATE_TABLE
FARE_BASIS
FEEDBACK
FEEDBACK_TYPES
FLIGHT
FLIGHT_ACTIVITY_FACT
FLIGHT_STATUS
INTERACTIONS_FACT
PASSENGER
PROMOTION_FACT
PROMOTIONS
RESERVATION_CHANNEL
DWH_FLIGHT.RESERVATION_CHANNEL
Tablespace: SYSTEM
Row 1 of 3 total rows
Cnt: 15
DWH_FLIGHT@XE
Activate Windows