**Translation of the logical data model to a physical data model including tables and columns names and data types (SQL Script):**

CREATE TABLE Date\_dim

(

Date\_KEY NUMBER constraint date\_key primary key,

Date\_id DATE,

day VARCHAR2(100),

week NUMBER,

Month\_name VARCHAR2(20),

quarter NUMBER,

year NUMBER

) ;

------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE passenger\_dim

(

passanger\_key number primary key,

passanger\_ID NUMBER ,

passanger\_name VARCHAR2(50),

passanger\_Address VARCHAR2(50),

passanger\_Phone\_number VARCHAR2(50),

passanger\_Age Number ,

passanger\_gender varchar2(50)

) ;

------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE Flight\_Dim

(

flight\_key number primary key,

flight\_id number ,

boarding\_time date,

landing\_time date,

from\_locatiom varchar2(50),

To\_locatiom varchar2(50)

) ;

---------------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE Booking\_Channel

(

channel\_key number primary key,

channel\_id number ,

channel\_type varchar2(50) ,

channel\_name varchar2(50)

) ;

------------------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE Feedback\_Dim

(

feedback\_key number primary key,

feedback\_id number ,

rate number,

complaints varchar2(50)

) ;

--------------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE Ticket\_Dim

(

Ticket\_key number primary key,

Ticket\_id number ,

Ticket\_Class varchar2(50),

Ticket\_Upgrade varchar2(50),

seat\_num number

) ;

----------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE Promotion

(

promotion\_key number primary key,

promotion\_id number ,

promotion\_name varchar2(50),

promotion\_type varchar2(50)

) ;

--------------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE Airport

(

airport\_key number primary key,

airport\_id number ,

airport\_name varchar2(50),

airport\_location varchar2(50),

gate number

) ;

-----------------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE Plane

(

plane\_key number primary key,

plane\_id number ,

plane\_model varchar2(50),

plane\_size number

) ;

------------------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE sales\_fact

(

Date\_KEY number ,

passanger\_key number,

flight\_key number,

channel\_key number,

feedback\_key number,

Ticket\_key number,

promotion\_key number,

airport\_key number,

plane\_key number,

ticket\_num number,

sales number ,

cost number ,

profit number,

duration number,

miles number,

constraint date\_ffk foreign key(Date\_KEY) references Date\_dim(Date\_KEY) ,

constraint passenger\_ffk foreign key(passanger\_key) references passenger\_dim(passanger\_key) ,

constraint flight\_ffk foreign key(flight\_key) references flight\_dim(flight\_key) ,

constraint channel\_ffk foreign key(channel\_key) references Booking\_Channel(channel\_key) ,

constraint airport\_ffk foreign key(airport\_key) references Airport(airport\_key) ,

constraint feedback\_ffk foreign key(feedback\_key) references feedback\_dim(feedback\_key) ,

constraint Ticket\_ffk foreign key(Ticket\_key) references Ticket\_dim(Ticket\_key) ,

constraint promotion\_ffk foreign key(promotion\_key) references Promotion(promotion\_key) ,

constraint plane\_ffk foreign key(plane\_key) references plane(plane\_key)

) ;

CREATE TABLE feedbackfactless\_fact

(

Date\_KEY number ,

passanger\_key number,

flight\_key number,

feedback\_key number,

airport\_key number ,

constraint date\_fk foreign key(Date\_KEY) references Date\_dim(Date\_KEY) ,

constraint passenger\_fk foreign key(passanger\_key) references passenger\_dim(passanger\_key) ,

constraint flight\_fk foreign key(flight\_key) references flight\_dim(flight\_key) ,

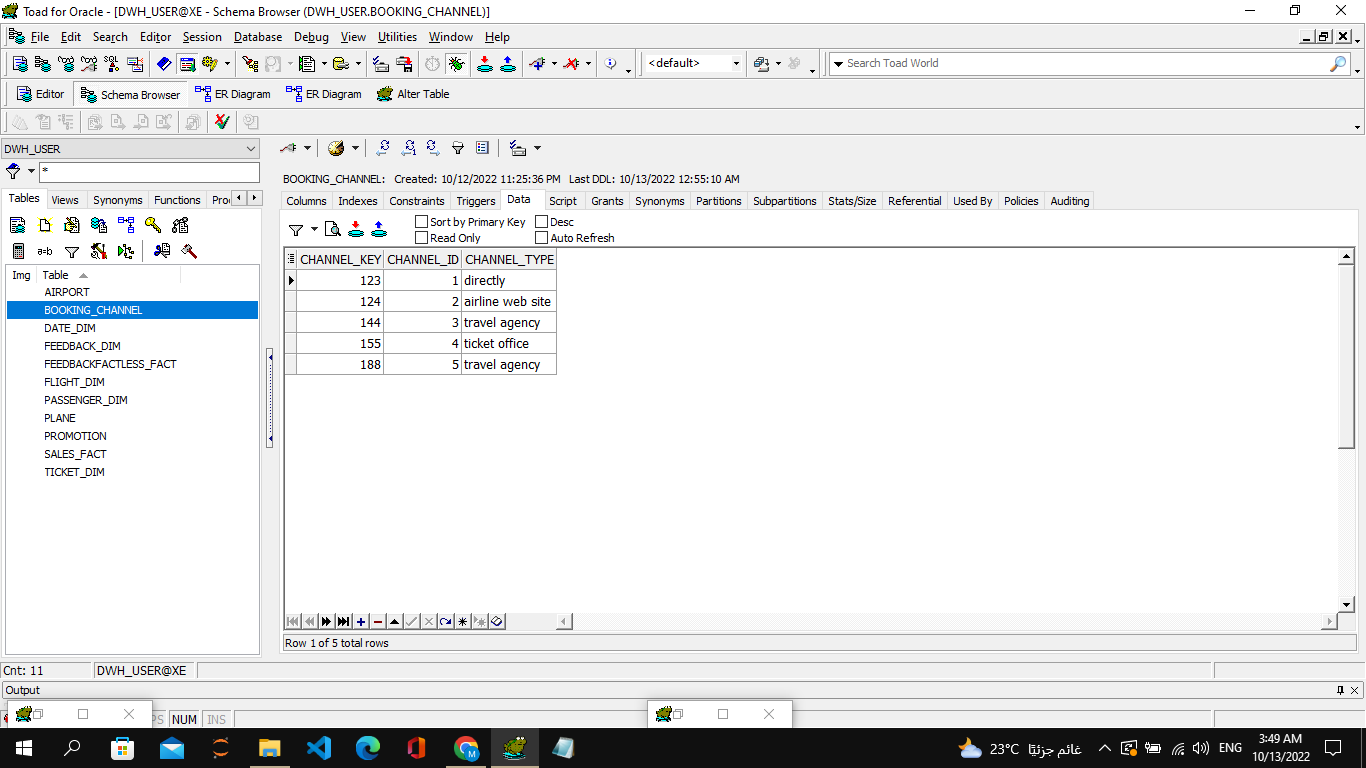
constraint feedback\_fk foreign key(feedback\_key) references feedback\_dim(feedback\_key) ,

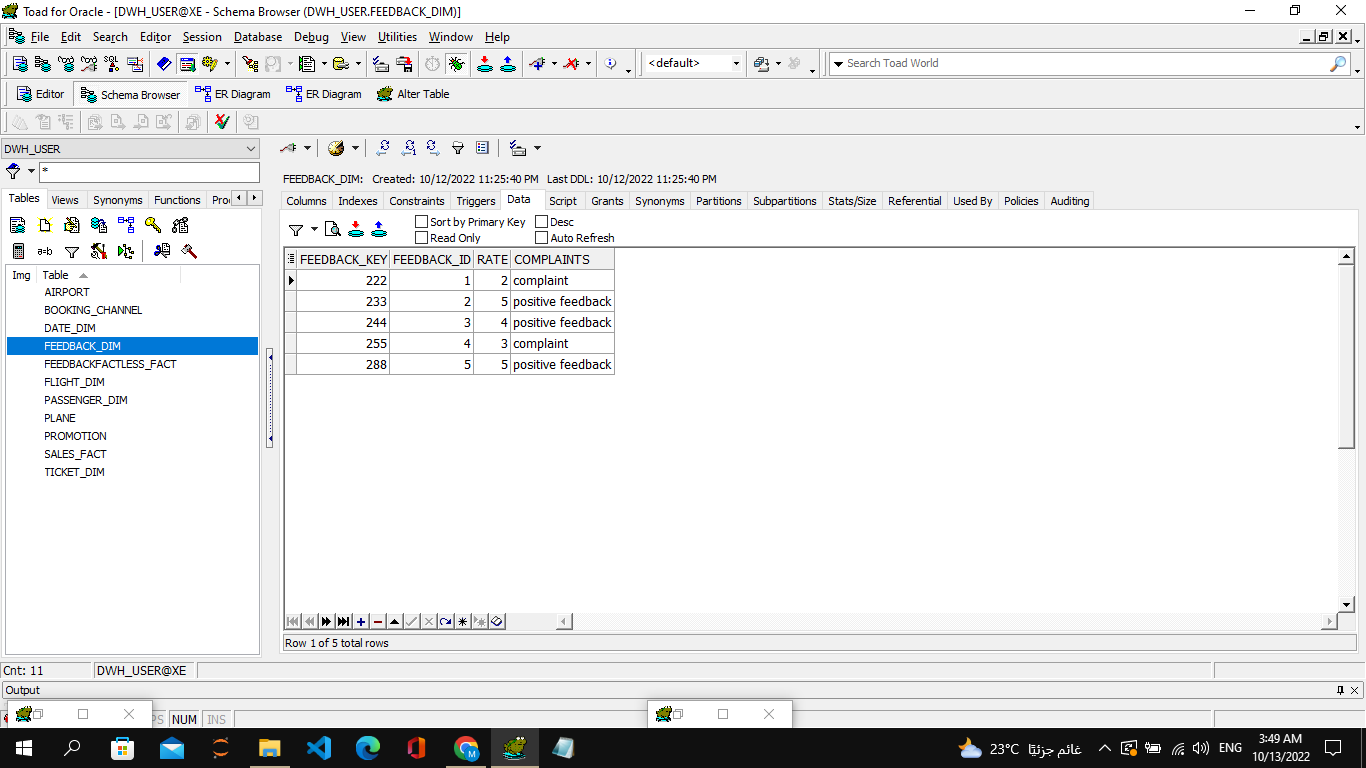
constraint airport\_fk foreign key(airport\_key) references Airport(airport\_key)

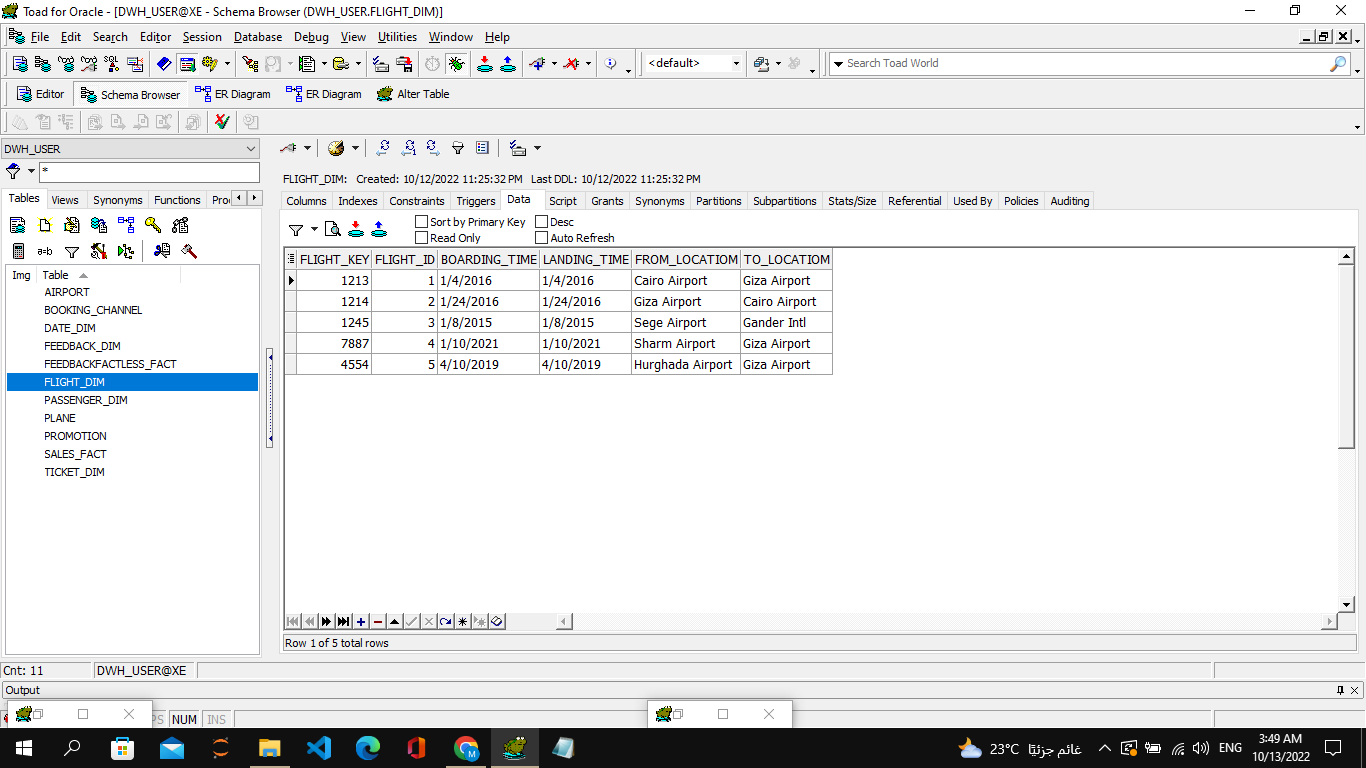
);

**Sample data**

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application

Description automatically generatedGraphical user interface, text, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated