

**Pinterest**

21-3-2020

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Habiba Khaled Mohamed Mahmoud sec(6)

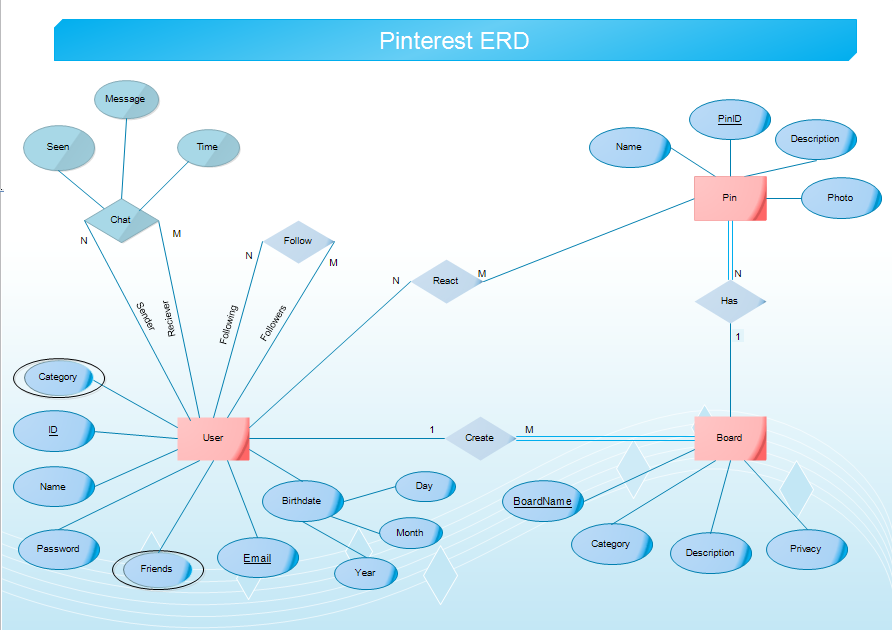
Dina Abdallah said Ahmed sec(7)

Alaa Mohamed Mostafa Kamel sec(4)

Alaa Mahmoud Mohamed Abdulaziz sec(4)

Youssef Tarek Abd El-Aziz Ali sec(20)

1- ERD



2- Assumptions

Mainly, a pin is a photo, a board is a collection of pins.

**User’s Attributes:**

* Each user has a unique email, and unique ID.
* Each user has multiple friends, and multiple board categories he/she chooses.
* Each user has a detailed birthdate (year-month-day).
* User’s name isn’t detailed (ie. not in first name - last name form), it’s saved as a whole as a single string.

**Board’s Attributes:**

* A board has a unique name.
* It also has a category (ex: music / art ..).
* It has a description, and a privacy value (ie. public or private) that allows the user to share it with others or not.

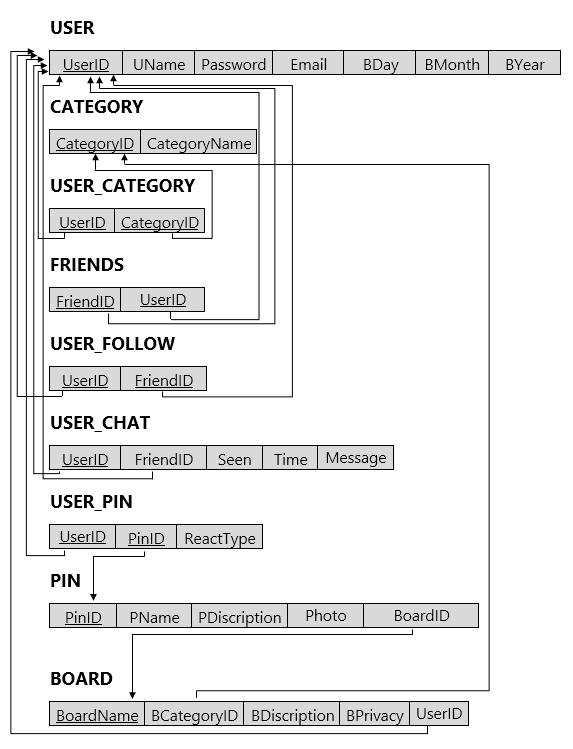
**Pin’s Attributes:**

* A pin has a unique ID.
* It has a description and a name.
* It has a photo uploaded by the user or saved from a public board created by any other user.

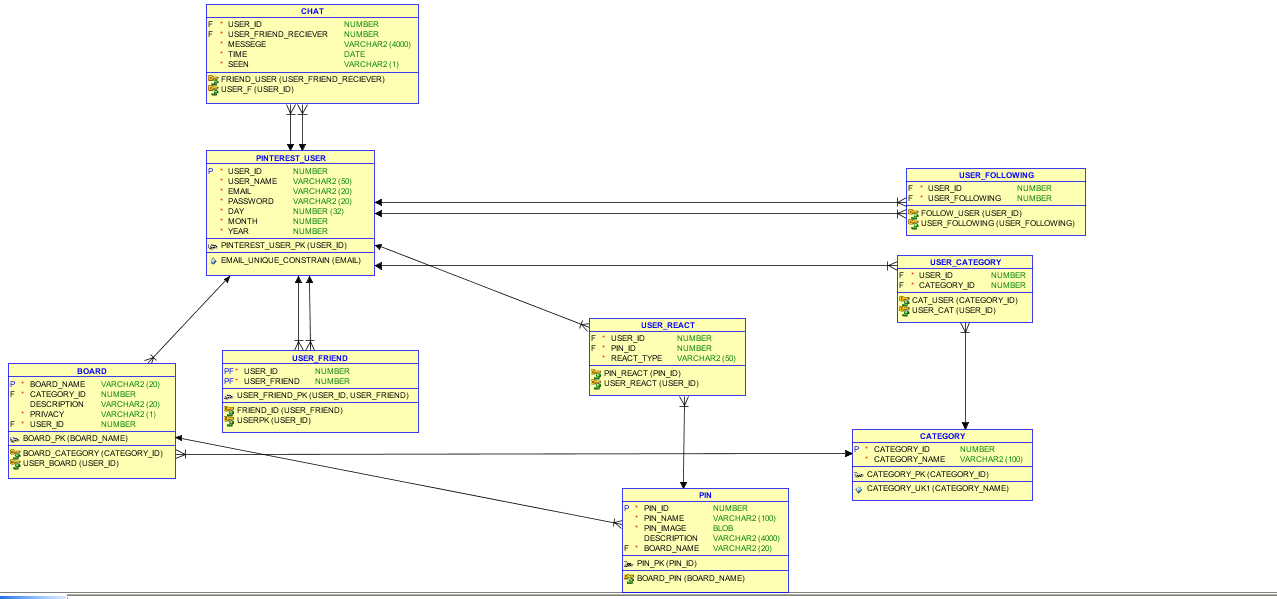
**Relations:**

* Each user can create more than a board, while each board belongs only to one user.
* Each board can have more than a pin, while each pin belongs only to a single board.
* Each user can chat with more than a friend on pinterest with messages at specific times and view if messages are read or not (seen attribute).
* An User can chat only with friends.
* Each user can follow many people and has many followers.
* Each user reacts on many pins .
* Each pin has many emoji from many users.

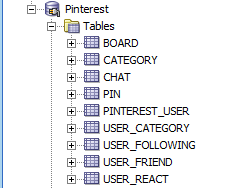
3- Schema Relations :



4- Screen shot for tables created in Oracle:

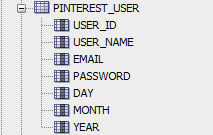


* Details of All tables as over all :-

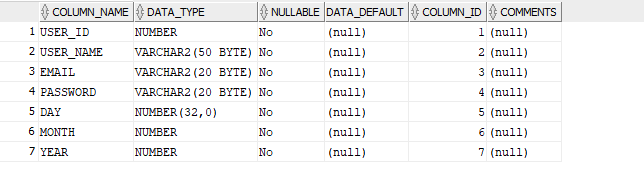


1. Pinterest\_User :

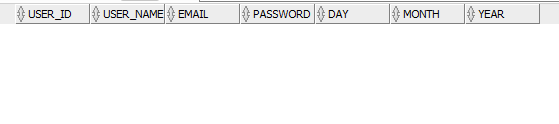
* In Oracle Hierarchy:



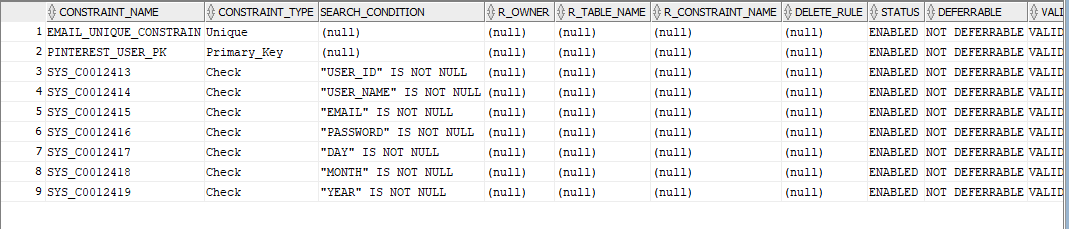
* User Columns:



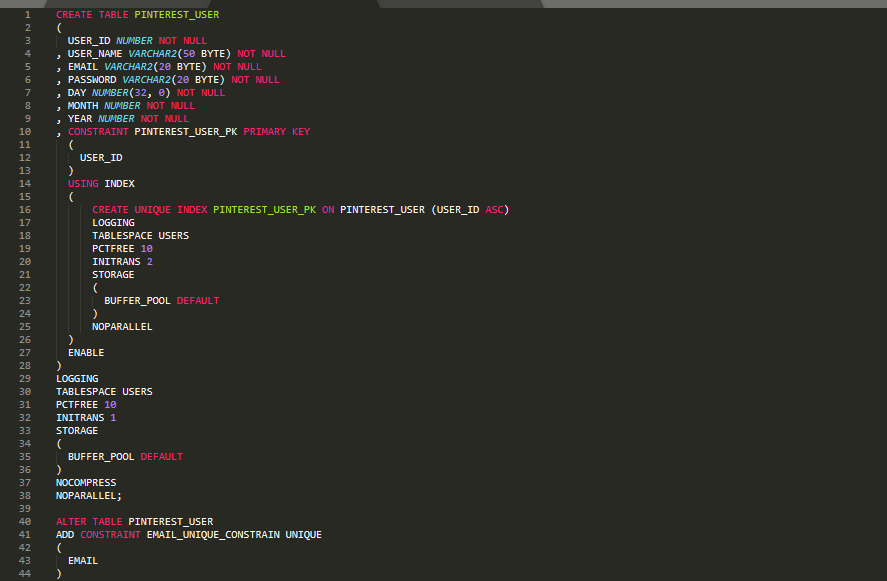
* User Data First Look:

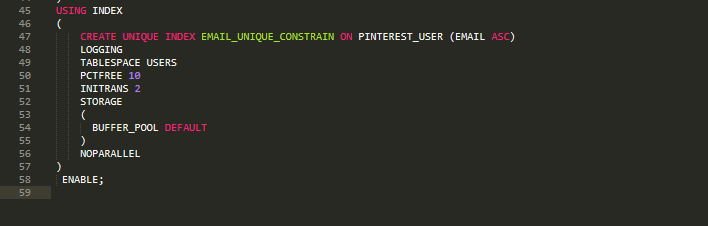


* User Constraints :



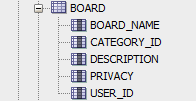
* User DDL:



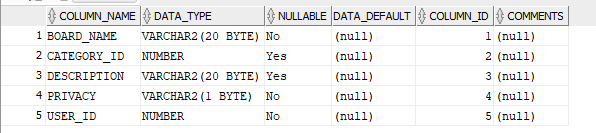


1. Board:

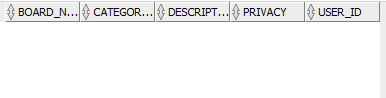
* In Oracle Hierarchy:

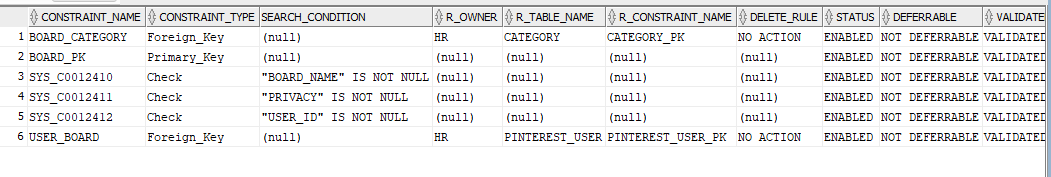


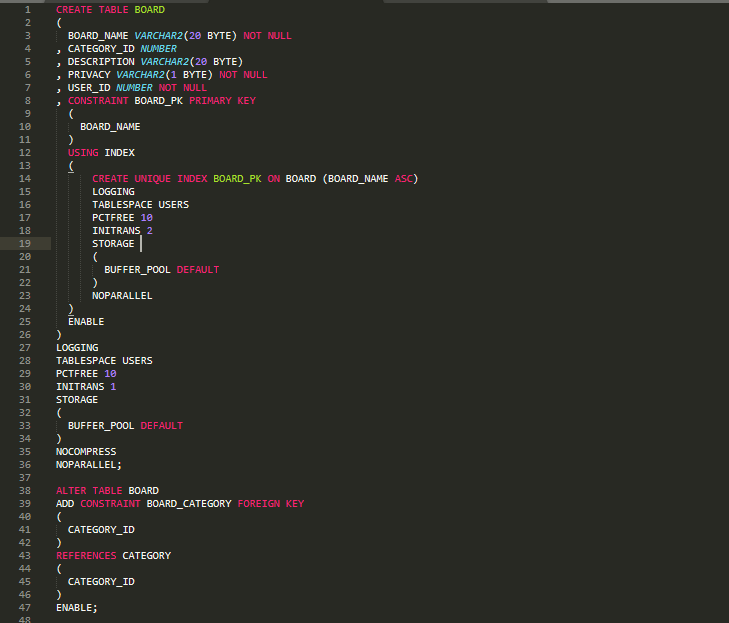
* Board Columns:

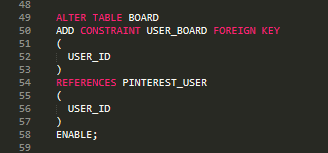


* Board Data First Look:



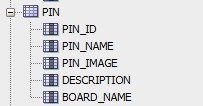
* Board Constraints :
* Board DDL:



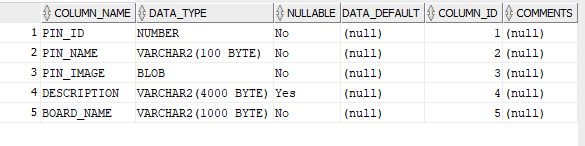


1. Pin :

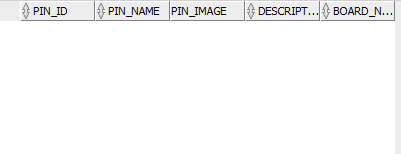
* In Oracle Hierarchy:



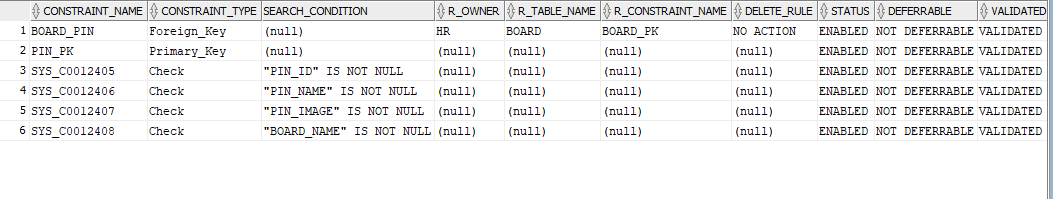
* PIN Columns:



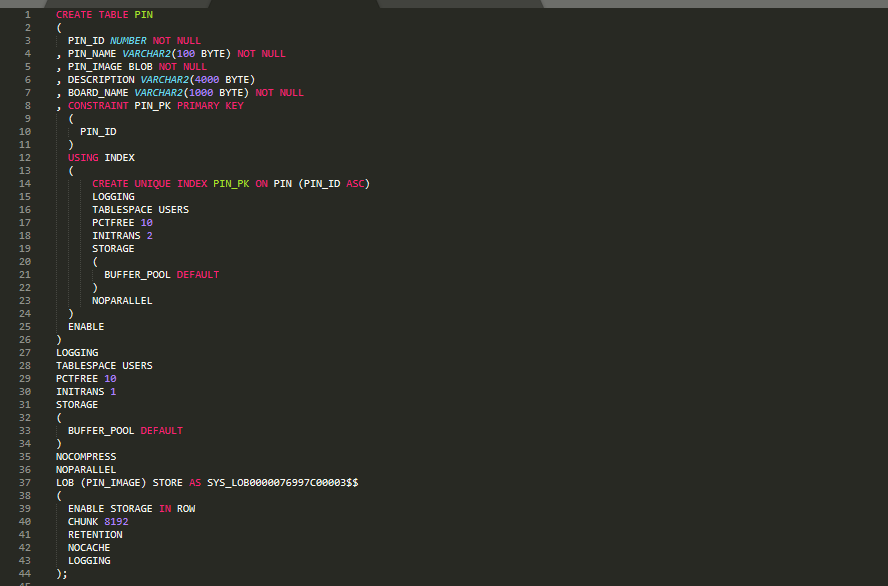
* PIN Data First Look:

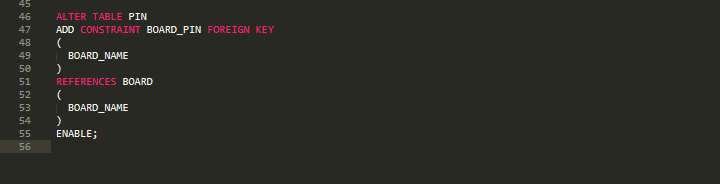


* Pin Constraints :



* Pin DDL:



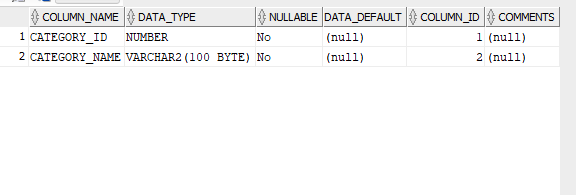


1. Category:

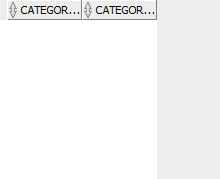
* In Oracle Hierarchy:



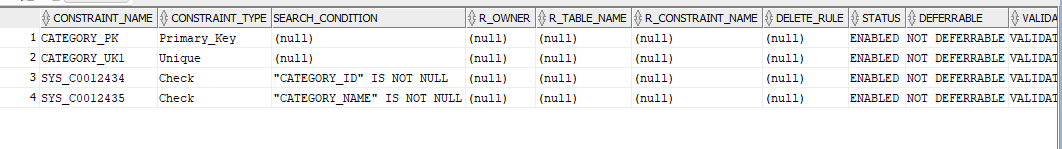
* Category Columns:



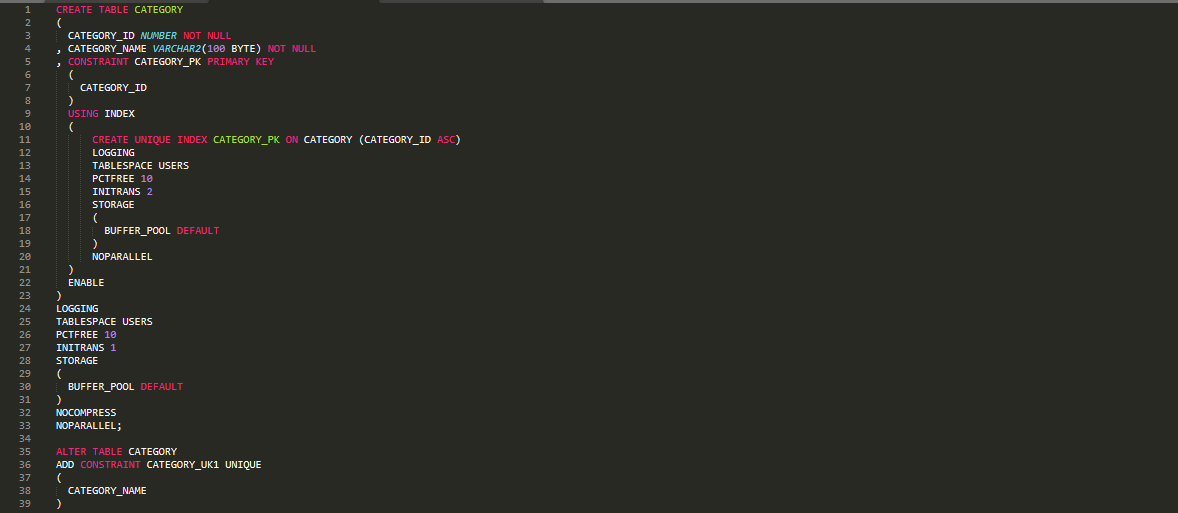
* Category Data First Look:

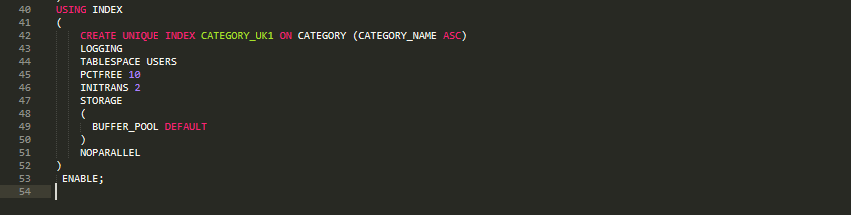


* Category Constraints :



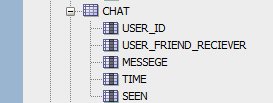
* Category DDL:



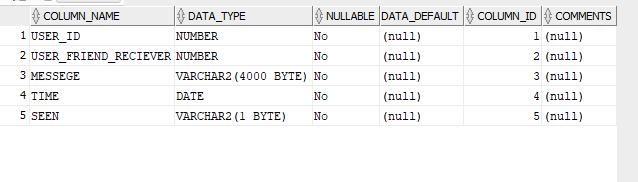


1. Chat :

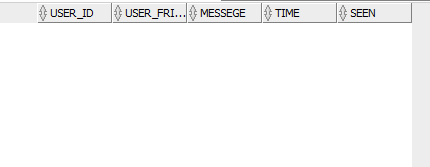
* In Oracle Hierarchy:



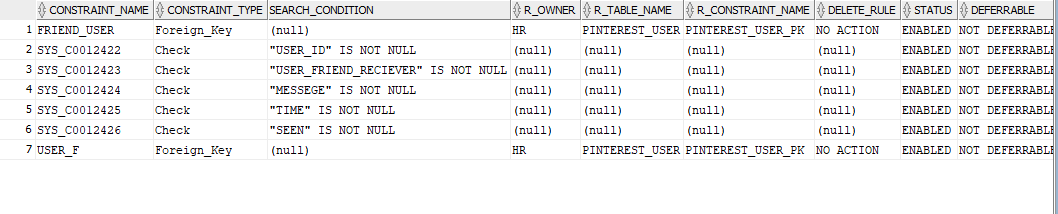
* Category Columns:



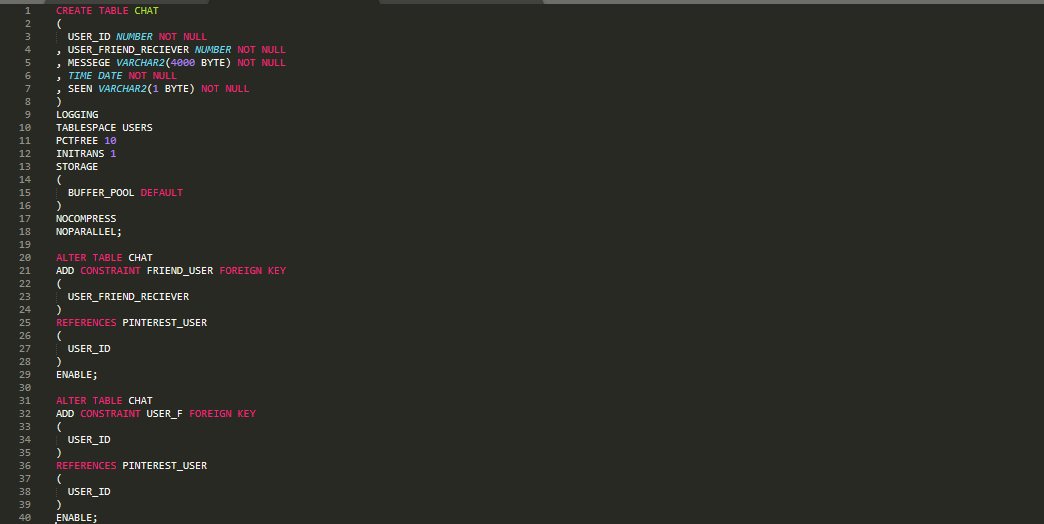
* Category Data First Look:



* Category Constraints :

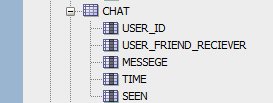


* Category DDL:

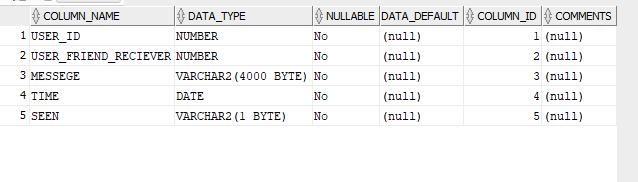


1. User\_Category:

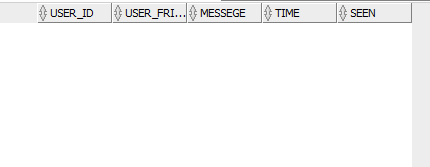
* In Oracle Hierarchy:



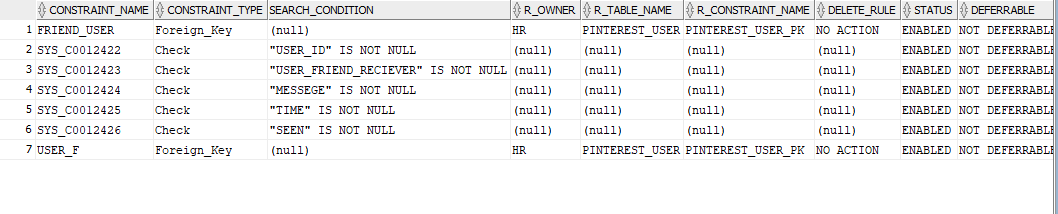
* User\_Category Columns:



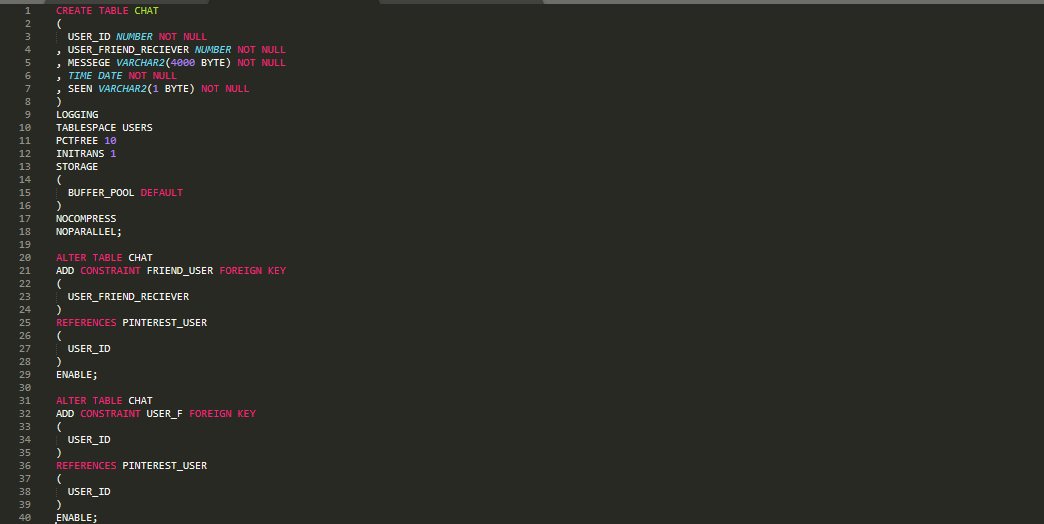
* User\_Category Data First Look:



* User\_Category Constraints :

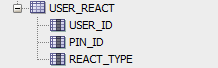


* User\_Category DDL:

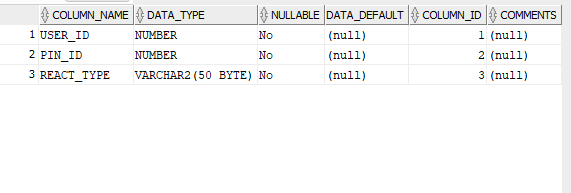


1. User\_React:

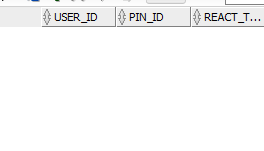
* In Oracle Hierarchy:



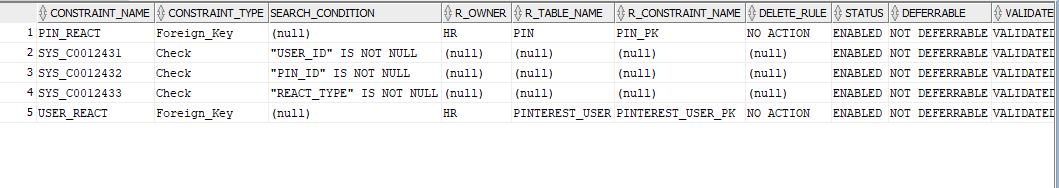
* User\_React Columns:



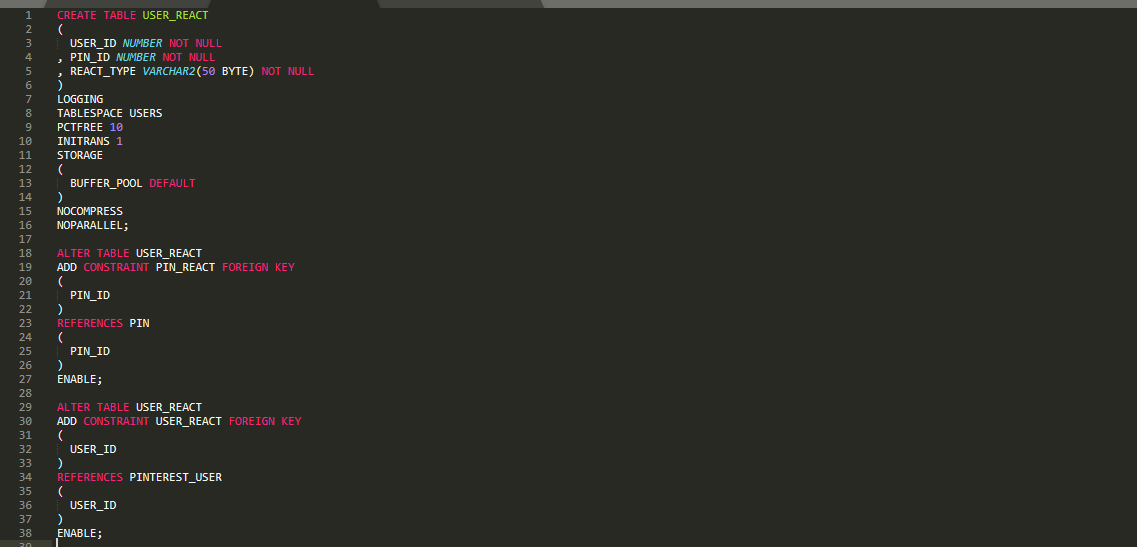
* User\_React Data First Look:



* User\_React Constraints :



* User\_React DDL:

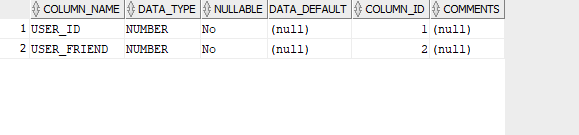


1. User\_Friend:

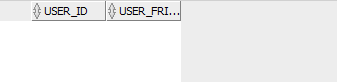
* In Oracle Hierarchy:



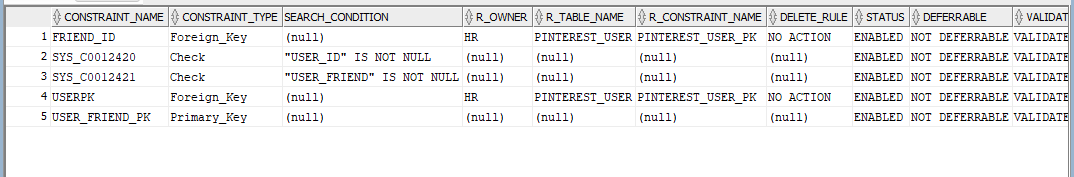
* User\_Friend Columns:



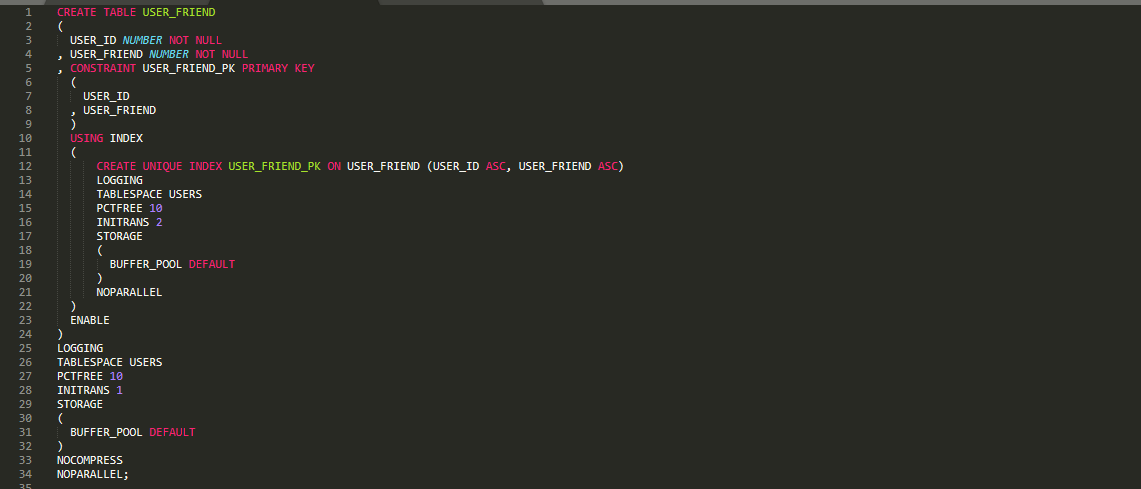
* User\_Friend Data First Look:

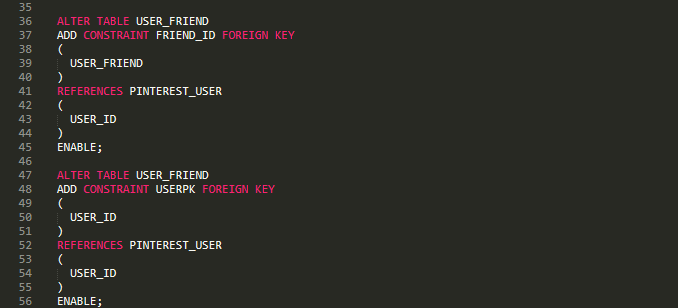


* User\_Friend Constraints



* User\_Friend DDL:



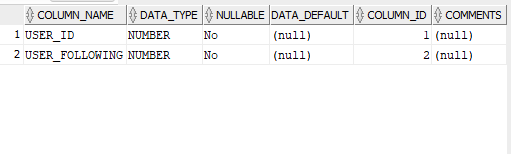


1. User\_Following:

* In Oracle Hierarchy:



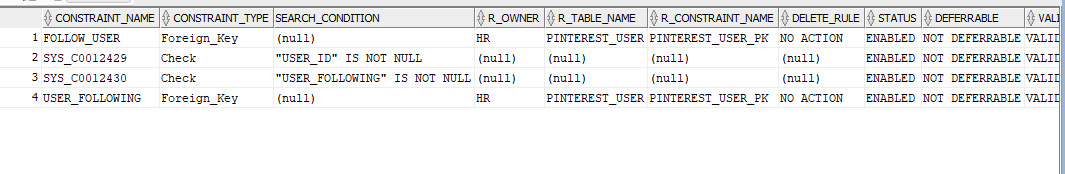
* User\_Following Columns:



* User\_Following Data First Look:



* User\_Following Constraints



* User\_Following DDL:

