HOME

Home > SQL > On Delete Set Null Clause Of Foreign Key

Rebellion Rider

On Delete Set Null Clause Of Foreign Key

SQL

ORACLE RMAN

PYTHON PROGRAMMING

MORE ~





The Previous tutorial was all about foreign key constraint in Oracle Database. There we

PL/SQL

**ORACLE 18C** 

0 6,932 2,423 4,751 89,400 Subscribers Followers Followers Fans LATEST POSTS **How To Use Execute** In Oracle Database

**Immediate With INTO Clause** January 12, 2019 **How to Delete Data From Table Using SQL Delete & Truncate Command** 

December 25, 2018

nnect Pluggable

6,932 2,423 4,751 89,400 learnt that the foreign key constraint establishes a link / relation between PARENT and CHILD table. The foreign key is defined in the child table and the parent table contains the reference

LATEST POSTS column. However because of this link we cannot update or delete the rows of the parent (x)table. Execute Sign Up Now & Stay Updated! With INTO Clause atabase Never Miss A Chance to Win Discount Coupons or Latest Updates About Certifications ete Data From SQL Delete & First Name ommand Last Name n To Tablespace atabase

Update the records of the parent table? When you define a simple foreign key, the Oracle engine is by default set to ON DELETE

So, what is special about foreign key which won't let us belete or

NO ACTION clause. This means that you are allowed to update the rows in the parent called Restrict rule. This rule doesn't allow users to delete or update reference data in the Does that mean we cannot update or delete the records of parent table

Definitely not. You can easily override this restrict rule and change the default behavior of the foreign key either to SET NULL or to DELETE CASCADE.

if we have a foreign key constraint defined on it?

1. ON DELETE SET NULL and

foreign key in Oracle Database.

2. ON DELETE CASCADE

with foreign key?

That's the beauty of working with Oracle Database, you always get the solutions to the

So how can we change the default behavior of foreign key? In Oracle Database you get two referential actions to override the restrict rule and change

In this tutorial we will concentrate on the first referential action which is On Delete Set Null

and see how we can change the default behavior which is ON DELETE NO ACTION of the

What is ON DELETE SET NULL clause of the foreign key constraint? On Delete Set Null clause sets all the records of the column which is defined as a foreign

Can you demonstrate us how to define an "On Delete Set Null" clause

Sure, why not let's do an example demonstrating the On Delete Set Null clause with foreign key in Oracle Database. For the demonstration we will be using the same tables which we

Let's first create the parent table which will hold the reference column of our foreign key. The name of the table will be Author and there will be two columns in this table author\_id

We specify the clause On Delete Set Null along with the definition of foreign key and as

at the end of the foreign key definition we specified our clause which is "On Delete Set

This is how you define a foreign key with ON DELETE SET NULL with create table in

Yes, you can check this constraint by executing the query on - USER\_CONSTRAINTS data

Is there any way to confirm that the foreign key is defined with on

delete set null clause this time?

So guys, this is the process by which you can change Oracle's default behavior to ON DELETE SET NULL clause using foreign key. Hope you find this blog useful. Do read my next article explaining ON DELETE CASCADE clause. You can also watch my

on delete set null clause | oracle database | SQL concepts | sql tutorials

On Delete Cascade Clause Of Foreign Key Foreign Key In Oracle Database **Manish Sharma** 

Manish Sharma, a recipient of the ORACLE ACE Award, is an Oracle database trainer &

RELATED ARTICLES MORE FROM AUTHOR

**Who Should Learn Oracle Slow Windows Startup After Oracle Installation: Reason** SQL? **And Solution** 

**LEAVE A REPLY** 

Rebellion

rider

**Two Steps To Fix The Network Adapter Could Not Establish The Connection Error How To Uninstall Oracle Database 12c From Windows How To Install Oracle Database** 

19c on Windows 10

POPULAR POSTS

oracle 19c

**COALESCE NULL SQL** 

**Function In Oracle Database** 

SQL **Python Programming Database Concepts** Oracle Q&A Oracle 18c Trends **Oracle RMAN** 

88

76

24

12

11

POPULAR CATEGORY

PL/SQL

Oracle 12c

Q