

ORACLE



Oracle Database Application Developer Newsletter

Technical news, how-to articles, best practices, and more.

June 2022 News Highlights

- Announcements – for the latest updates
- Newsletter Changes
- Developer Quiz
- Code You Can Use
- Tools You Can Use
- Development Success Story
- Upcoming Events
- Learning Announcements



Announcements

- New releases
 - [Oracle APEX 22.1](#)
 - [New Python Thin driver python-oracledb](#)
 - [Node.js node-oracledb 5.4 driver](#)
 - [SQLcl 22.2, ORDS & SQL Dev Web 22.2](#)
- [Updates to the Oracle Dev Gym](#)

Newsletter Changes – from the desk of the Managing Editor

The Database Application Developer Newsletter is changing. This is the first newsletter of that change, and you probably don't notice much difference. It's true. Slight tweaks from previous editions, but this one is not too different. BUT! Change is coming. Change to make it better, and more relevant to the topics and news you need. My name is Bill Sawyer, and I am joining as Managing Editor. I have been planning some exciting changes. But, this doesn't have to be a one-way conversation. Do you have thoughts on what you want to see? Email me at bill.sawyer@oracle.com.

Developer Quiz

You execute these statements:

```
##REPLACE##
insert into ora$ptt_invoice_stage
  values ( 1, 1 );
commit;
select * from ora$ptt_invoice_stage;
```

Which choices can go in the ##REPLACE## section, so the query returns this row?

```
ORDER_ID CUSTOMER_ID
-----
1         1
```

Choice 1:

```
create table ora$ptt_invoice_stage (
  order_id integer, customer_id integer
);
```

Choice 2:

```
create global temporary table ora$ptt_invoice_stage (
  order_id integer, customer_id integer
) on commit preserve rows;
```

Choice 3

```
create private temporary table ora$ptt_invoice_stage (
  order_id integer, customer_id integer
);
```

Choice 4:

```
create private temporary table ora$ptt_invoice_stage (
  order_id integer, customer_id integer
) on commit preserve definition;
```

Answer is below.

Code You Can Use

Martin Bach wrote a nice piece titled, [Generating Table DDL in Oracle Database](#). This blog showcases how you can easily generate DDL statements using SQLcl 22.1.1.0 connecting to a 19c Autonomous Transaction Processing. There are lots of new features in SQLcl 22.1.1.0, and this is some code you probably want to keep in your bookmarks. If you want to know more about SQLcl 22.1.1.0, check out Jeff Smith's blog post, [Oracle SQLcl 22.1 is now available & featuring Data Guard!](#), on the topic.

Tools You Can Use

Daniel Cuadra gives you the latest on Oracle Spatial Studio in his blog, [Upgrading to Oracle Spatial Studio 22.1](#). Oracle Spatial Studio provides no-code access to spatial data preparation, analysis and visualization. It allows you to work with data already in Oracle Database or load from common spatial and non-spatial formats. Non-spatial data can be prepared by address geocoding or coordinate indexing and then used for spatial analysis and mapping. Results may be shared as interactive maps as well as GeoJSON endpoints for programmatic integration.



Developer Success Story

[Pablo Duque's NeuroBase](#) helps neurorehabilitation experts improve the patient experience. Neurorehabilitation is a physician-supervised program designed for people with diseases, trauma, or disorders of the brain, such as Parkinson's disease, and it generates a lot of data. Pablo saw a need to process that data and, in his words, "There was really no good software available to do that." So Duque made his own tool: NeuroBase using Oracle APEX.

Upcoming AskTOM Office Hours

- [JSON in Oracle Database \(12th July, 17:00 – 18:00 UTC\)](#)
- [Software Globalization \(12th July, 18:00 – 19:00 UTC\)](#)
- [.NET and Visual Studio for Oracle Database \(13th July, 16:00 – 17:00 UTC\)](#)
- [Write Great SQL \(19th July, 13:00 – 14:00 UTC\)](#)
- [General Database Office Hour \(21st July, 13:00 – 14:00 UTC\)](#)
- [APEX \(21st July, 14:00 – 15:00 UTC\)](#)

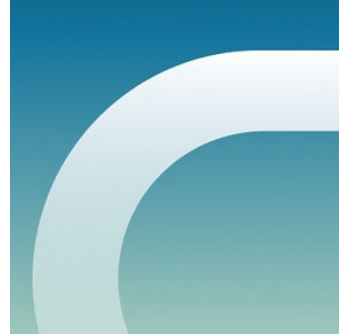


Upcoming events | event recaps

Oracle CloudWorld | October 16–20, 2022, Las Vegas, NV

Mark your calendar and plan on joining us in Las Vegas, NV. You can explore the latest technical innovation as well as get product demos, advanced best practices, training, and insights from Oracle experts. [Subscribe](#) to get the latest news about event registration, keynote speakers, sessions, and more.

[Subscribe for updates](#)



Oracle Database World – Session replays

We hope those of you in Americas and EMEA enjoyed the event and got practical and technical knowledge on app dev through sessions and labs. Session replays for the America and EMEA events are now available at the [event site](#).

JavaOne at Oracle CloudWorld | October 16–20, 2022, Las Vegas, NV

Java developers can get the latest on Java innovations through expert-led technical sessions, hands-on labs, tutorials, and birds-of-a-feather sessions. You can choose from dozens of topics, including Java language, Java platform, database, cloud native development, DevOps, microservices, AI and machine learning, security, application management, and more.

[Get JavaOne updates](#)

The June developer quiz answer is choice 4.



Learn more... for free!

Build Expertise with hundreds of Oracle workshops on a variety of Oracle products, 24x7 for free, on [Oracle LiveLabs](#).

Learn, Write, and Share SQL at Oracle's interactive [Live SQL](#) site, built with Oracle APEX running on Oracle Database.

Build Muscles at the [Oracle Dev Gym](#) by taking workouts, quizzes and even entire classes on SQL, PL/SQL, database design, logic and more.



Useful links to keep your skills sharp

Blogs: [Oracle Developers](#) | [Oracle Database Insider](#) | [Oracle APEX](#)

Websites: [Oracle Database](#) | [Oracle Autonomous Database](#) | [Oracle Developer Center](#)

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