

What's New

[Oracle APEX 23.1 is now available!](#)

Oracle APEX 23.1 is now generally available for [download](#) and is rolling out to Oracle Cloud Infrastructure (OCI) regions across the globe this week!



[Announcing Oracle Spatial Studio 23.1](#)

Oracle Spatial Studio is a self-service, no-code mapping tool that allows you to visualize, explore, and analyze geospatial data stored in and managed by Oracle.



[Version 23.1](#) is now available for download and in the OCI Marketplace.

[Introducing Oracle Database 23c Free – Developer Release](#)

Oracle database is committed to giving developers what they want, how they want it. That's why we're giving developers a head start on the new long-term support release of Oracle Database with Oracle Database 23c Free – Developer Release. And yes, for free!



From the Desk of the Editor

Here is the May edition of the App Dev newsletter. This is our chance to highlight the latest stories to keep you updated on-the-go. We love to know what you think of the new layout and what else you want to be included in this newsletter. You can always email us with feedback, suggestions, comments, and corrections at bill.sawyer@oracle.com and priya.p.sharma@oracle.com.

Top Stories

[Build a Social Media App using Oracle APEX!](#)

Here is a new workshop for APEX. This new workshop would help to answer many often-asked questions about APEX development.

Read this story to know about the concepts covered in this workshop.

[Read more!](#)

[Intro to JavaScript in Oracle Database 23c Free - Developer Release](#)

The availability of Oracle Database 23c Free - Developer Release on Linux x86-64 provides a wealth of new features to developers. Read this story to know more about the JavaScript concepts introduced with the Free Developer Release.

[Read more!](#)

[Latest ADW innovations breaking through data mgmt boundaries](#)

Data has the potential to be an organization's most valuable asset. But how do you reach that potential? Read this story to know how you can do this without breaking the bank.

[Read more!](#)

Developer Quiz

I write the following block of code:

```
create table qz_invoices (  
  invoice_id integer  
  ##REPLACE##  
  primary key,  
  customer_id integer  
);
```

Which choices can go in the **##REPLACE##** section above so that the `insert` statement given below runs without error:

```
insert into qz_invoices values ( null, 1 );
```

Answer 1

generated as identity

Answer 2

generated always as identity

Answer 3

generated by default as identity

Answer 4

generated by default on null as identity

Answer(s) are below.

Oracle APEX News

APEX 23.1 is now generally available for download and in Oracle Cloud Infrastructure (OCI)! This release brings template components, PWA push notifications, a modernized object browser, page processing improvements, invocation API for REST sources, and much more!

Visit [What's New in Oracle APEX 23.1](#) to learn about what's new in this release.

Get your Oracle APEX Foundations Badge! Enroll in this self-paced training course to build enterprise apps 20x faster with 100x less code. [Enroll in the course for free!](#)

Events and Event Replays

ODTUG Kscope23 Conference

ODTUG Kscope is the premier educational conference for Oracle technology users, attracting Oracle experts from all over the globe. No other conference in the Oracle world features this kind of development-specific training and content.

This year, the conference is being held from June 25 – 29, in Aurora, Colorado, USA. Register today to be a part of “The ODTUG Kscope Experience”.

[View Agenda](#)

[Register](#)

Freeing developers to develop: Oracle Database 23c Free – Developer Release

Hear how Oracle Database 23c Free – Developer Release frees developers to do what they like to do most, develop! Gain insights into what this Oracle Database release is and see demos of just a couple of the many features that it is packed with. Watch the replay.

[Watch Replay](#)

Oracle Database World 2023 Replays

Gain practical, technical knowledge on developing modern data-driven apps from experts and architects behind Oracle Database. Watch the replays.

[Watch Replays](#)

Quiz Answers: 4



Ask Tom Events

- [Autonomous Database Learning Lounge](#) , May 31st.
- [APEX - Romana](#), June 12th.
- [Oracle DB In-Memory Summit](#), June 13th.
- [JSON in Oracle Database](#), June 13th.
- [Database Security](#), June 14th.
- [APEX 23.1 and Server-side JavaScript](#), June 15th.



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

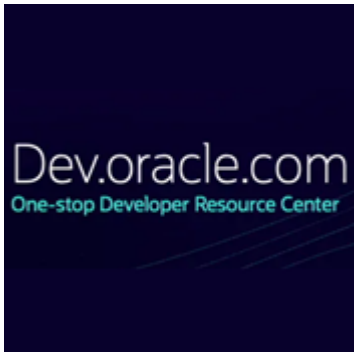
IN BETA: [SQuizL](#), for fun and learning

Useful links to keep your skills sharp

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

Videos: [Oracle's Database Product Management YouTube channel](#)

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



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