



# Oracle Database App Developer

Newsletter – September 2023

## What's New

### Oracle Database 23c: The Next Long Term Support Release

The new version of the world's most powerful database, **Oracle Database 23c**, is now Generally Available on OCI Oracle Base Database Service. We've also taken the opportunity to update the popular Oracle Database Free version, available for download [here](#).



### Post Execution Debugging in Oracle 23c Free - Developer Release

Wouldn't it be nice if you could attach a debug profile to live JavaScript code, but only if and when needed? One that has as minimal an intrusion effect as possible whilst letting you specify which variables to watch, and report their value under specific conditions? This is what Post-Execution Debugging can help with.



### Introducing Autonomous Database Free Container Image

Containerization is a technology commonly used in software development and testing to package a database or application including into a single container image.



Read this blog to know more about new ADB free container image.

### Using the JavaScript fetch API in Oracle Database 23c Free - Developer Release

Oracle's Multilingual Engine (MLE) powered by GraalVM offers an implementation of the fetch API in JavaScript for Oracle Database 23c Free-Developer Release on Linux x86-64. Thanks to this, lots of interesting use cases can be implemented in a convenient way. Read this blog to know all about the `fetch()` API.



## From the Desk of the Editor

Here is the September 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 have your feedback 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](mailto:bill.sawyer@oracle.com) and [priya.p.sharma@oracle.com](mailto:priya.p.sharma@oracle.com).

## Top Stories

### [JSON Duality + Micronaut Framework](#)

Read this blog to know how to use the Micronaut® Framework to create and interact with JSON Relational Duality View.

[Read more!](#)

### [Develop XR with Oracle](#)

Read this blog to know about the series of articles on developing XR applications and experiences using Oracle and focuses on visual and audio input from a user's surroundings, processing it with various AI, and returning output of summaries, results of generative AI, etc.

[Read more!](#)

### [Free online SQL quizzes on Oracle Dev Gym](#)

Read this blog to know more about free online SQL questions to test your skills.

[Read More!](#)

## Developer Quiz

Which of the following clauses can you use in analytic functions?

**Answer 1**  
over

**Answer 2**  
partition by

**Answer 3**  
group by

**Answer 4**  
order by

**Answer 5**  
having

**Answer(s) are below.**

## Oracle APEX News

### [Joins us for the next episode in the Business Innovations Series with Siemens!](#)

Discover the incredible journey of Siemens Mobility, a trailblazer in the transport industry for over 160 years. Witness how they harnessed the power of APEX and Autonomous Database to achieve real-time project visibility across their operations. Prepare to be inspired by their story!

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## Empowering Search with OCI Vision in Oracle APEX

OCI Vision is an AI service for performing deep-learning-based image analysis at scale. With pre-trained models available, developers can easily build image recognition and text recognition into their applications without machine learning (ML) expertise. By integrating OCI Vision with Oracle APEX, businesses can tap into the power of visual intelligence, transforming their data analysis capabilities and revolutionizing user experiences.

This blog post highlights the immense potential of integrating OCI Vision with Oracle APEX!

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## The Oracle APEX Developer Professional 2023 Certification is here!

The all-new upgraded Oracle APEX certification has finally arrived. Stand out among your peers, and prove to everyone that you know how to rapidly build robust apps using APEX.

Get more details about this certification here: [APEX Developer Professional Certification](#).

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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

### Oracle CloudWorld 2023 Replays

View keynote addresses of Oracle leadership team, learning sessions and more at the recently concluded Oracle CloudWorld 2023.

[View Free Keynote Replays](#)

### Devoxx Morocco 2023

The 10th edition of the largest 3-day developer conference in the MEA region, scheduled on October 11 – 13, 2023, at Agadir, Morocco. This conference aims to enable local and international technology experts to share their knowledge and expertise with technology enthusiasts

[Register Here](#)

### Spain Oracle Users Group Conference

SPOUG's Annual Convention to be held on October 17 and 18 at Oracle's headquarters in Madrid and attend keynotes by Oracle Product Management, sessions on migration from AWS RDS to OCI Database, in-database machine learning with Autonomous Database, Oracle Database and Kubernetes and much more.

[Register Here](#)

**Quiz Answers:** 1, 2, and 4



## Ask Tom Events

- [Oracle Machine Learning](#), Oct 10th.
- [Database Security](#), Oct 11th.
- [Visual Builder Office](#), Oct 16th.
- [Write Great SQL](#), Oct 17th.
- [APEX - JAPAN](#), Oct 19th.
- [DB Backup & Recovery](#), Oct 20th.
- [Multicloud Happenings!](#), Oct 24th.



## 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.

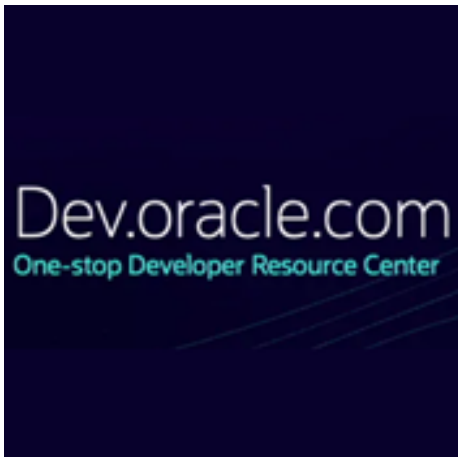
**IN BETA:** [SQuizL](#), for fun and learning

## 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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