

ORACLE

# Oracle Database App Developer

Newsletter – August 2023

## What's New

### [23c Feature a Week](#)

Learn about this week's feature: **Blockchain Tables.**

Loads of information through videos, blogs, and existing documentation to know more about this feature.

*Bookmark this page to learn a feature every week.*

### [Oracle DB Error Help Portal](#)

Introducing the new Error Help Portal for Oracle Database, which will help users gain faster and improved insights into Oracle Database errors.

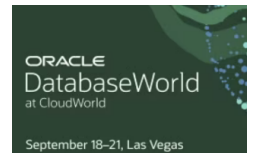
You can easily access the new portal via

<https://docs.oracle.com/error-help/db/>.



### [5 Low Code demos to see at OCW 2023](#)

At Oracle CloudWorld this year, we're demonstrating that low code isn't just for developers without a traditional programming background. It's for seasoned DevOps professionals as well.



### [ORAdiff is live!](#)

Did you ever wanted to find out the differences between two Oracle database releases? The wait is over!

**ORAdiff is live – compare two Oracle Database and Patch releases.**



## From the Desk of the Editor

Here is the August 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

## Manage JS modules & environment in DB actions

Read this blog to know how to create modules, and more importantly, how a given module can import functionality exported by another module.

[Read more!](#)

## Oracle Cloud Native Environment 1.7 is now available

Read this blog to know more about the Oracle Cloud Native Environment 1.7 the scalable and highly available Kubernetes distribution that you can use to deploy your containerized applications across public clouds and on-premises.

[Read more!](#)

## Deploy Large Language Models with OCI Data Science

Read this blog to know how to deploy Large Language Models (LLMs) with OCI Data Science using NVIDIA GPUs and Triton Inference Server.

[Read More!](#)

## Add a SLEEP to a PL/SQL Stored Procedure

Read this blog to know how to add SLEEP command to your stored procedures.

[Read more!](#)

## Oracle SQLcl and REST Data Services 23.2 are now available!

Read this blog to download and know what's new in the SQLcl and REST Data Services 23.2 .

[Read more!](#)

## Developer Quiz

My associative array is empty. I use the EXISTS method to determine if an element exists at index value 1 in that collection. What value does EXISTS return?

Answer 1  
FALSE

Answer 2  
Oracle raises the PROGRAM\_ERROR exception.

Answer 3  
TRUE

Answer 4  
Oracle raises the NO\_DATA\_FOUND exception.

Answer(s) are below.

## Oracle APEX News

### [Oracle APEX Low-Code and AI Sessions at Oracle CloudWorld](#)

Low-code with AI is redefining how next-generation applications are built, deployed, and managed. If you are interested in learning about what's next in low-code with Oracle APEX and AI application development then join us at Oracle CloudWorld in Las Vegas, NV from September 18 – 21, 2023.

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## [Embracing the Future: Unleashing AI's Power with Oracle APEX](#)

We are thrilled to embark on this journey of discovery, exploring the seamless fusion of two cutting-edge technologies on [Oracle Cloud Infrastructure \(OCI\)](#), [Oracle APEX](#) and [OCI AI Services](#), that promise to shape the future of application development and revolutionize the way businesses operate.

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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**

### **Data Management at Oracle CloudWorld 2023**

Scheduled to be held in Las Vegas from September 18 – 21, Learn how to maximize the value of your data with the latest innovations in Oracle Autonomous Database, Oracle Database, Exadata, and MySQL HeatWave. Know what's coming in the next major Oracle Database release – Oracle Database 23c – and how you can put it to use in your environment.

With keynotes, learning sessions, hands-on labs, and opportunities to interact with the Oracle Database development team and your peers, attending CloudWorld will put you on the fast track to being a data innovator.

[Register](#)

[See the Sessions](#)

### **The DOAG Conference + Exhibition**

Coming in November is DOAG2023. Attend theme day, conference days and training day during November 21-24, 2023 and deepen your knowledge and expand your network.

[Register Here](#)

### **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](#)



## Ask Tom Events

- [Best Practices – Spatial Data](#), Aug 29th.
- [JSON in Oracle DB](#), Sept 12th.
- [.NET and Visual Studio \(Code\)](#), Sept 13th.
- [DB Backup & Recovery](#), Sept 15th.
- [Write Great SQL](#), Sept 19th.



## 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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