

Oracle APEX Learning Path for Developers

This learning path provides a structured journey for developers to become proficient in Oracle Application Express (APEX), from core fundamentals to advanced enterprise application development and deployment.

1. Foundation: Oracle APEX Fundamentals

- Introduction to Oracle APEX and low-code development concepts
- APEX architecture and workspace concepts
- Understanding applications, pages, and components
- Using SQL Workshop and basic SQL queries

2. Database and Data Modeling Essentials

- Relational database concepts and schema design
- Creating tables, views, and constraints
- Using PL/SQL for data manipulation
- Managing data with APEX utilities

3. Application Development and UI Design

- Building pages with the Page Designer
- Working with reports, forms, and charts
- Using themes, templates, and Universal Theme
- Implementing validations, computations, and processes

4. Business Logic and Integration

- Advanced PL/SQL usage in APEX applications
- Consuming and exposing RESTful services
- Using APEX collections and session state
- Integrating external systems and APIs

5. Security, Performance, and Best Practices

- Authentication and authorization schemes
- Session management and data security
- Performance tuning and debugging techniques
- APEX development best practices

6. Deployment, DevOps, and Advanced Topics

- Application lifecycle management
- Exporting, importing, and versioning applications
- Deploying APEX applications on Oracle Cloud and on-premises
- Introduction to APEX automation and CI/CD concepts

7. Continuous Learning and Certification

- Oracle APEX official documentation and tutorials
- Oracle APEX community, forums, and blogs
- Preparing for Oracle APEX certifications