

Introduction to Oracle APEX

This workshop introduces students to the techniques and tools required to develop database driven web applications. The students will learn how to design, develop and deploy beautiful, responsive, database-driven web applications using Oracle APEX. Oracle APEX is utilized to provide practical, hands-on, engaging activities. Leveraging project-based learning techniques, students will create and work with projects which challenge them to design, implement, and demonstrate a database-driven web application solution for a business or organization.

Oracle APEX on an Autonomous Database (Cloud) or an apex.oracle.com account is required for successful completion of this course. Participants to this workshop will receive and always-free Oracle Cloud Infrastructure Account. Prior to the start of the class, students will receive instructions on how to provide an Autonomous Database service to have it ready to cover the materials of the workshop.

CONTENTS:

DAY 1

Introduction: Getting Started with Oracle APEX

- Provisioning an APEX Workspace
- Review Product Components
- Installing a Sample Application

Create a Basic Database Application

- Explain App Builder concepts
- Learn to use the App Builder and the Create App Wizard
- Create a database application from existing tables
- Create a database application from a file

DAY 2

Managing Pages in Page Designer

- Explain application page components
- Add page components

Developing Reports

- Learn to create faceted searches, cards and smart filters

Managing and Customizing Interactive Reports

- Describe interactive report components
- Use and customize an interactive report as an end user

- Manage interactive report attributes
- Configure the display of interactive report controls as a developer

Managing and Customizing Interactive Grids

- Create an editable interactive grid

DAY 3

Creating Forms and Page Controls

- Describe an application form in Oracle APEX
- Creating forms in Application Express
- Create master detail forms

Creating Application Page Controls

- Understand page items and application items
- Create and manage a list of values
- Create and customize buttons

DAY 4

Computations, Processes and Validations

- Understand page rendering and page processing
- Create and understand computations
- Create and understand page processes
- Create and understand validations
- Create and understand branches

DAY 5

Implementing Navigation

- Create and use lists
- Create and use breadcrumbs
- Create and use navigation bar and navigation bar list