



Build an Innovative Q&A Interface Powered by Generative AI with Oracle APEX

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Agenda

- Demo
- Request a FREE account
- Build the App!

APEX Certification for FREE

Two courses:

- **Oracle APEX Developer Professional**
- **Oracle APEX: Empowering Low-Code Apps with AI**

Oracle APEX Cloud Developer Professional Certification Exam (1Z0-771)
for free until May 15, 2025!

apex.oracle.com/go/professional-ai-lp

Demo

The screenshot shows the New York City Schools website. On the left, there are filters for Method, Borough, and Interest. The main content area displays a list of schools. A 'Learn More' modal is open, showing information about Abraham Lincoln High School. The modal has two tabs: 'Which languages are taught in this school?' and 'Welke talen worden op deze school onderwezen?'. The first tab is active, showing a list of languages: 1. Cantonese, 2. Spanish, 3. English. The second tab is also active, showing a list of languages: 1. Kantonees, 2. Spaans, 3. Engels. The modal also includes a search bar and a 'Type your message here' input field.

New York City

Search...

Method

- ☐ Ed. Opt. (241)
- ☐ Screened (76)
- ☐ Open (42)
- ☐ Screened: Language (27)
- ☐ Audition (17)
- ☐ Test (8)
- ☐ Transfer (7)

[Show All](#)

Borough

- ☐ BROOKLYN (119)
- ☐ BRONX (110)
- ☐ MANHATTAN (107)
- ☐ QUEENS (80)
- ☐ STATEN IS (11)

Interest

- ☐ Humanities & Interdisciplinary (181)
- ☐ Science & Math (45)
- ☐ Computer Science & Technology (33)
- ☐ Health Professions (25)

Schools 427

47 The Am Language Secondary
Gramercy, MANHATTAN

Humanities & Interdisciplinary
165 Students - 86% Attendance - 98% Grad

Academy for Television & Film
Hunters Point-SUNSET PARK, BROOKLYN

Film/Video
565 Students - 93% Attendance - 98% Grad

School
Flatbush, BROOKLYN

Humanities & Interdisciplinary
422 Students - 84% Attendance - 64% Grad

Computer Science & Technology
285 Students - 82% Attendance - 81% Grad

Learn More

Which languages are taught in this school? MO

According to the information provided, the following languages are taught at Abraham Lincoln High School:

1. Cantonese
2. Spanish
3. English

Welke talen worden op deze school onderwezen? MO

Volgens de verstrekte informatie worden de volgende talen onderwezen op Abraham Lincoln High School:

1. Kantonees
2. Spaans
3. Engels

Type your message here

Requirements for running this Hands-on-Lab



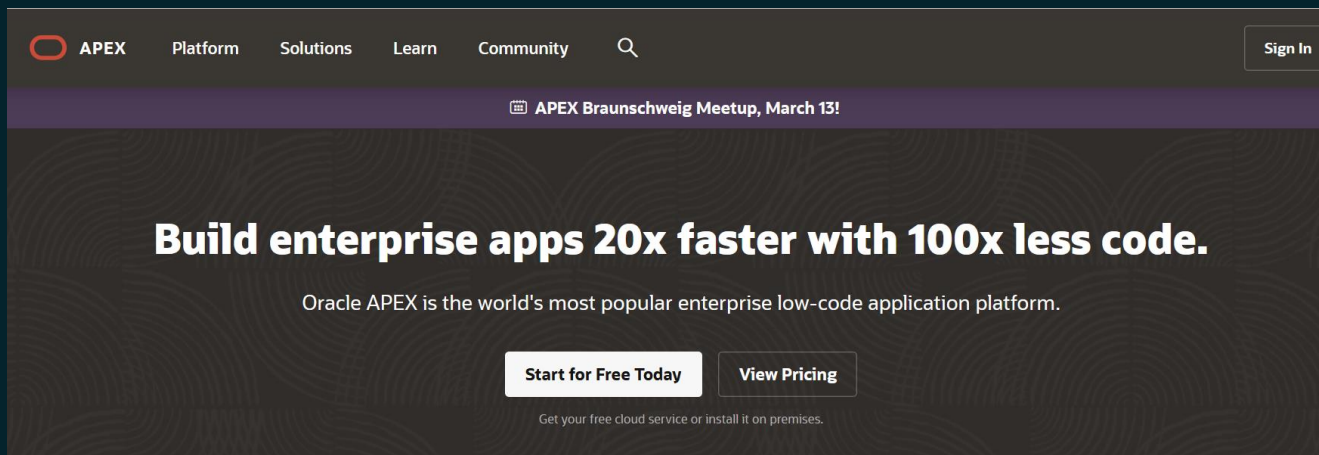
Laptop



apex.oracle.com
Workspace

Request a FREE Workspace

1. Navigate to **apex.oracle.com**
2. Click on **Start for Free Today**
3. Click on **Free Sign Up**



Request a FREE Workspace

4. Enter your information and click on **Request Workspace**

5. Check your mailbox to activate your workspace

Get started with Oracle APEX

Request a workspace

- **Go from Zero to App in No Time**
Oracle APEX is easy to use and easy to learn so you can begin to build immediately.
- **Eliminate 98% of Hand Coding**
The powerful components of Oracle APEX enable you to add a high-level of functionality to your apps with limited coding.
- **Powerful and Proven**
Oracle APEX can be used to build a wide variety of apps for any industry, from departmental apps to mission critical systems used by hundreds of thousands of users or more.

First name *

Last name *

Email *

Workspace name *

The workspace name uniquely identifies your development environment and is used when signing in.

Your Location *

Are you new to Oracle APEX? *

☐ Yes ☐ No

Do you plan to use APEX for education or training? *

☐ Yes ☐ No

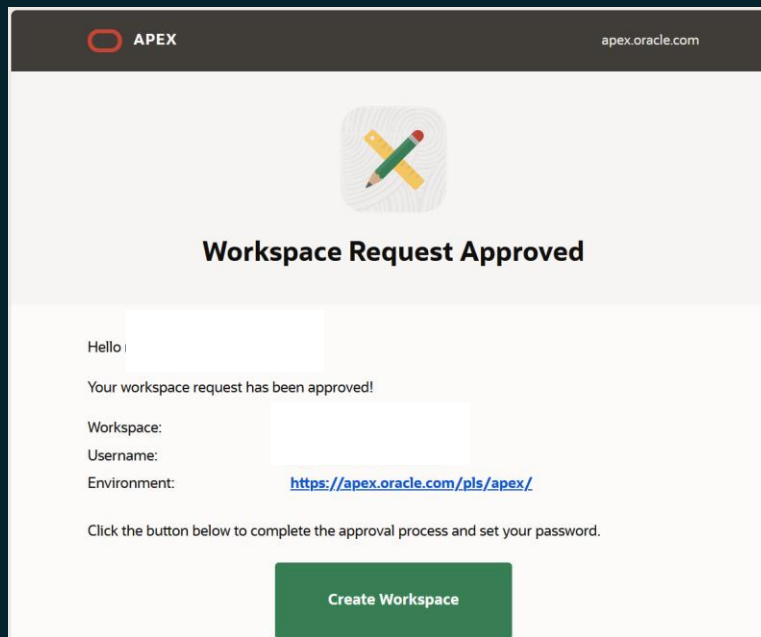
☐ I agree to the terms of the [Oracle APEX Service Agreement](#)

Request Workspace

Already have an account? [Sign In](#)

Request a FREE Workspace

6. Click on **Create Workspace**



LiveLabs link:
apex.oracle.com/go/apex-world

Download the Excel File

apex.oracle.com/go/nyc-file

Configure the OCI API keys

Download the keys from
apex.oracle.com/go/gen-ai-aw

AI Configurations

AI Configurations centralize key Generative AI settings.

Customizable **System Prompt**, **Welcome Message**, and **RAG Sources**.

Use it in both the **Show AI Assistant** and **Generate Text with AI** Dynamic Actions

APEX_AI PL/SQL API

Generative AI Configuration

CancelDeleteApply Changes

Show AllIdentificationSubscriptionGenerative AIRAG SourcesAdvancedComments

Generative AI

ServiceOCI Gen AI

System Prompt

1Use the information provided about the school to answer all questions:

2

3If the question cannot be answered based on the information provided, say "Sorry, I can't provide an answer to that question based on the information provided."

Welcome Message

1Welcome! What would you like to know about this high school?

RAG Sources

Create RAG Source

Name	Description	Type	Conditional	Updated	Updated By
School Info	Information about the school	SQL Query		6 days ago	MONICA
course		SQL Query	Yes	6 days ago	MONICA
facilities		SQL Query	Yes	6 days ago	MONICA
language		SQL Query	Yes	6 days ago	MONICA



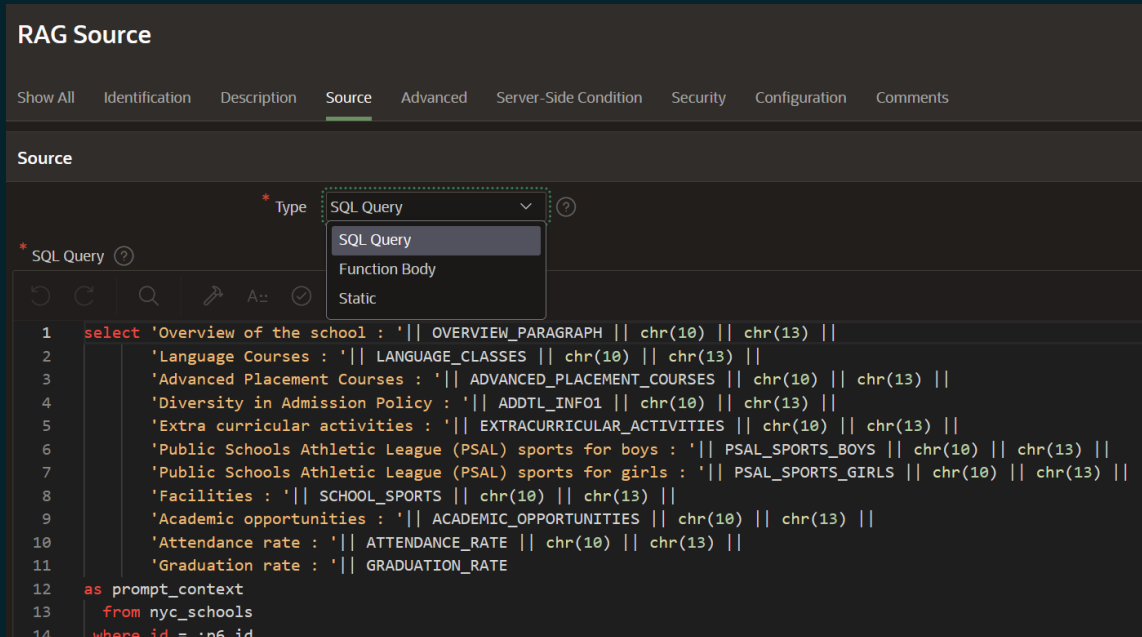
What Is Retrieval-Augmented Generation (RAG)?

RAG provides a way to optimize the output of an LLM with targeted information without modifying the underlying model itself.

Cost-effective

Access to up-to-date information

Domain-Specific Knowledge



Learn More...

Primary site

apex.oracle.com

APEX Shortcuts

apex.oracle.com/shortcuts

Blogs

blogs.oracle.com/apex

Office Hours

apex.oracle.com/officehours

APEX on Autonomous

apex.oracle.com/autonomous

Oracle APEX Education

apex.oracle.com/education

Oracle APEX + AI

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Showcasing how Oracle's solutions solve your business problems — available 24/7 for free!



1000+

events run using
LiveLabs
workshops



900+

free workshops,
available or in
development

12 million

people have already
visited LiveLabs



Thank You!

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Please evaluate the session

