

Summary

This is a web-based application that can be used to support the learnersourcing workflow in the PL/SQL programming class. The primary users of this web-based application are the students who have enrolled in the class. The purpose of this application is to help students connect the knowledge they've gained from the classroom to real-world situations.

There are three main functions of this web-based application: create, review, and practice. In the "Be an Expert" page, students can create a new worked-out example by clicking a button. A separate page with instructions will appear to guide students through the creation process. Students can review their in-progress and completed worked-out examples. In the "Be a Reviewer" page, students can review their classmates' worked-out examples by clicking on the WEID listed in the table. They are also responsible for reviewing revisions made by student creators. Finally, the "Be an Explorer" page allows students to practice with all "Certified" worked-out examples and sort them using the given filters.

https://

A Web Page

The World of Worked-Out Examples in PL/SQL

Home

Use your Purdue Email to [Sign In/Up](#)

Overview

Be an Expert...

Create or Finish Your Own Worked-Out Examples

Be a Reviewer...

Review Your Peer's Worked-Out Examples

Be an Explorer...

Practice with CERTIFIED Worked-Out Examples

Need Help?[Contact Us](#)

This is the homepage of my web-based application designed for students and learners. In the top right corner, users can sign in or sign up using the provided link. There is a section called Overview where a student can see a summary of their performance from the last time he/she signed in. The middle of the page features three buttons, each leading to a different page.

Sign Up

Sign up

* Name:

*Purdue Email:

* Password:

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* Re-type password

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I agree to the [Terms of Use](#) and [Privacy Policy](#).

Sign up

[Learn more](#)

Log in

Purdue Email:

Password:

Login

[Forgot password?](#)

Students can log in/sign up by using their Purdue Email.

https://

A Web Page

Hey FirstName, show your expertise to this world!

[Home](#) > Be an Expert...

Good morning/afternoon/night, [Username](#)

New Worked-Out Examples:

Have some new ideas on how newly learned knowledge could be applied into real-world scenarios? Click the button below to create it!

Create a NEW Worked-Out Example

Completed Worked-Out Examples:

| WE ID | Status of Certification | Topic | Date of Creation | Number of Responses | Ratings and Reviews |
|-------------------|-------------------------------------|--------------|------------------|---------------------|------------------------|
| 1 | <input checked="" type="checkbox"/> | Basic PL/SQL | Feb 9th 2024 | 3 | Read |
| 2 | <input type="checkbox"/> | Basic PL/SQL | Feb 29th 2024 | 3 | Unread |
| | | | | | |
| | | | | | |

The Worked-Out Examples in Progress:

| WE ID | Status of Certification | Topic | Date of Creation | Number of Responses | Ratings and Reviews |
|-------------------|--------------------------|-----------|------------------|---------------------|---------------------|
| 3 | <input type="checkbox"/> | Function | Feb 29th 2024 | 0 | Not Available |
| 4 | <input type="checkbox"/> | Procedure | Feb 29th 2024 | 0 | Not Available |
| | | | | | |
| | | | | | |

Need Help?[Contact Us](#)

This is the page that students see when they click on the "Be an Expert" button. On this page, they can click on the "Create a New Worked-out Example" button to go to a new page where they can create a new worked-out example. They can also view their completed worked-out examples and the ones that are in progress. They have the option to review and revise their completed worked-out examples and continue working on the ones that are in progress by clicking on the WEID.

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A Web Page

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FirstName, let's create something new!

[Home](#)

>

[Be an Expert](#)

>

Create a NEW Worked-Out Example

Good morning/afternoon/night,

[Username](#)

Problem Background

Data

Solution

Self-Review

Problem Context and Description

Topics Practiced in this worked-out example

Basic PL/SQL

Function

Procedure

Triggers and Constraints

Others

Problem Context

Define the context of your worked-out example here.

Problem Description

Describe the problem of your worked-out example here.

Need Help?

Intentionally left blank for later implementation of ChatGPT

Save and Exit

Save and Submit

This is the page that appears when a student clicks the "Create a New Worked-Out Example" button. Here, students can create their own worked-out examples following the provided instructions.

https://

A Web Page

Hey FirstName, your peers value your suggestions!

Home

> Be a Reviewer...

Good morning/afternoon/night,

Username

Worked-Out Examples Need Your Review:

| WE ID | Status of Certification | Topic | Date of Creation | Number of Reviews Needed |
|--------------------|--------------------------|--------------|------------------|--------------------------|
| 11 | <input type="checkbox"/> | Basic PL/SQL | Feb 9th 2024 | 3 |
| 22 | <input type="checkbox"/> | Basic PL/SQL | Feb 29th 2024 | 3 |
| 33 | <input type="checkbox"/> | Function | Mar. 1st 2024 | 2 |
| 44 | <input type="checkbox"/> | Procedure | Mar. 1st 2024 | 1 |
| | | | | |
| | | | | |

Worked-Out Examples You Have Reviewed:

| WE ID | Status of Certification | Topic | Date of Creation | Number of Reviews Needed | Revision from Creator |
|--------------------|-------------------------------------|--------------|------------------|--------------------------|------------------------------|
| 55 | <input checked="" type="checkbox"/> | Basic PL/SQL | Feb 9th 2024 | 0 | Not Required |
| 66 | <input checked="" type="checkbox"/> | Basic PL/SQL | Feb 29th 2024 | 0 | Completed |
| 77 | <input type="checkbox"/> | Function | Mar. 1st 2024 | 1 | Updated |
| | | | | | |
| | | | | | |

Need Help?[Contact Us](#)

When students click on the "Be a Reviewer" button, they will be taken to this page that displays two tables. The first table contains all the worked-out examples that require peer review to become certified. By clicking on the WEID, students can access each worked-out example and conduct peer assessment. The second table lists all the worked-out examples that have been reviewed by the student. Students can track the updates and improvements made by the creator and adjust their review accordingly.

https://

A Web Page

Hey FirstName, let's do some practices!

Home

> Be an Explorer...

Good morning/afternoon/night,Username

CERTIFIED Worked-Out Examples:

Sort By: All | Most Liked | Latest | Recommended by Instructors | You might be interested in

| WE ID | Status of Certification | Topic | Date of Creation | Number of Responses | Number of Likes | Recommended by Instructors |
|--------------------|-------------------------------------|--------------|------------------|---------------------|-----------------|-------------------------------------|
| 12 | <input checked="" type="checkbox"/> | Basic PL/SQL | Feb 9th 2024 | 3 | 3 | <input checked="" type="checkbox"/> |
| 13 | <input checked="" type="checkbox"/> | Basic PL/SQL | Feb 29th 2024 | 3 | 2 | <input type="checkbox"/> |
| 14 | <input checked="" type="checkbox"/> | Function | Mar. 1st 2024 | 4 | 4 | <input checked="" type="checkbox"/> |
| 15 | <input checked="" type="checkbox"/> | Procedure | Mar. 1st 2024 | 5 | 3 | <input type="checkbox"/> |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Worked-Out Examples You Have Practiced:

| WE ID | Status of Certification | Topic | Date of Creation | Number of Responses | Number of Likes | Recommended by Instructors |
|--------------------|-------------------------------------|--------------|------------------|---------------------|-----------------|-------------------------------------|
| 12 | <input checked="" type="checkbox"/> | Basic PL/SQL | Feb 9th 2024 | 3 | 3 | <input checked="" type="checkbox"/> |
| 13 | <input checked="" type="checkbox"/> | Basic PL/SQL | Feb 29th 2024 | 3 | 2 | <input type="checkbox"/> |
| 14 | <input checked="" type="checkbox"/> | Function | Mar. 1st 2024 | 4 | 4 | <input checked="" type="checkbox"/> |
| 15 | <input checked="" type="checkbox"/> | Procedure | Mar. 1st 2024 | 5 | 3 | <input type="checkbox"/> |
| | | | | | | |
| | | | | | | |

Need Help?[Contact Us](#)

On this page, students can click on the WEID of each worked-out example to access them. They can filter the list of certified worked-out examples by clicking the provided choices. Then, they will be able to practice with each worked-out example. Once they submit their own solutions, they can review the answers provided by their classmates and leave comments or suggestions for the creators. There is another table used to record all worked-out examples have been practices by student.