



## MySQL Week 11 Exercises

### Background


We have been developing a menu-driven application that demonstrates how to perform CRUD (Create, Read, Update, and Delete) operations on a project database. Thus far, we have learned how to create a connection to a MySQL database and how to insert records into a table. Then, we learned how to query for a list of records and for all details on a single record. In these exercises, we will learn the final two parts of CRUD: Updating and Deleting.

### Objectives

In these exercises, you will:

- Modify project details using the UPDATE statement.
- Delete a project and all child rows using the DELETE statement.
- Observe that using ON DELETE CASCADE automatically deletes child rows with a foreign key relationship.
- Use the return value from `PreparedStatement.executeUpdate()` to determine if a row was updated or deleted.

### Important

In the exercises below, you will see this icon: .

This means to make sure that you include this functionality in your video showcase.



## MySQL Week 11 Exercises

### Instructions



**URL to GitHub Repository:** <https://github.com/blg12/week8assignment.git>

**URL to Public Link of your Video:** <https://youtu.be/6XKeeSNFo6Q>

---

### Instructions :

1. Follow the [Exercises](#) below to complete this assignment.

- In Eclipse, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed.
- Create a new repository on GitHub for this week's assignment and push your completed code to this dedicated repo, including your entire Maven Project Directory (e.g., mysql-java) and any .sql files that you create. In addition, screenshot your ERD and push the screenshot to your GitHub repo.
- Include the functionality into your Video when you see: 
- Create a video showcasing your work:
  - In this video: record and present your project verbally while showing the results of the working project. Don't forget to include the requested functionality, indicated by: 
  - Easy way to Create a video: Start a meeting in Zoom, share your screen, open Eclipse with the code and your Console window, start recording & record yourself describing and running the program showing the results.
  - Your video should be a maximum of 5 minutes.
  - Upload your video with a public link.
  - Easy way to Create a Public Video Link: Upload your video recording to YouTube with a public link.

2. In addition, please include the following in your Coding Assignment Document:

- The URL for this week's GitHub repository.
- The URL of the public link of your video.

3. Save the Coding Assignment Document as a .pdf and do the following:

- Push the .pdf to the GitHub repo for this week.
  - Upload the .pdf to the LMS in your Coding Assignment Submission.
-