

Custom Databases

CoderPad lets you create custom database environments for MySQL and PostgreSQL. Click the 'New Custom Database' button, write a custom SQL script to upload your data and wait for your database to be verified.

The easiest way to get the raw SQL from an existing database in order to upload it to CoderPad is [mysqldump](#) for MySQL, or [pg_dump](#) for PostgreSQL.

After your database is initialized, when you create a new question and select MySQL or PostgreSQL as the language, an additional dropdown menu will allow you to attach your custom database to the question. When you load those questions into an interview, the database you attached will also be available for querying.

New Custom Database

Title

Language

Description

What information is in this database? You can also describe the schema here.

Script

```
1 # This is our sample schema which is loaded in our default environment.
2 # Your script will run in an empty database named "coderpad" as a user
3 # of the same name. Please bootstrap your data below!
4
5 create table employees
6 (
7   id          int AUTO_INCREMENT,
8   first_name  varchar(255),
9   last_name   varchar(255),
10  salary      int,
11  department_id int,
12
13  primary key(id),
14  key(department_id)
15 );
16
17 insert into employees
18 (first_name, last_name, salary, department_id)
19 values
```

We'll run this SQL script for you and save the resulting database. You can then attach it to any new MySQL or PostgreSQL question.

Save

Click save, and you'll see a notification that your database is initializing. This shouldn't take longer than a minute or two. If you see an error message, it means your SQL is structured incorrectly. Please correct any errors and try again. Once the database is initialized, you'll see the database schema (as below).

Database: Example Custom Database

Your database has been verified, and is ready to be attached to your questions.

If you want to make changes to this database, you can [edit this database](#).

Database summary:

Table Name	Row Count	Table Size KB
departments	5	16.0000
employees	6	32.0000
employees_projects	5	48.0000
projects	3	16.0000

When you return to the databases tab, you'll see all custom databases you've created:

Title	Status	Database Engine	Description		
Example Custom Database	Verified	mysql	This database includes employees, projects, departments, and employee projects tables	More Info	Destroy

In order to use a custom database in a CoderPad interview, you must attach it to an interview question. Then, when you load that question in an interview, it also loads the associated custom database.

*Caution: loading our standard MySQL or PostGRES environments **without** also loading a specific database-related question will load our standard sample database, **not** your custom database.*

Next, go to the Questions tab and "Write a New Question". Choose MySQL or PostgreSQL from the language dropdown menu. An additional "Custom database" dropdown will appear. Select the custom database you'd like to use with this question, write your question or instructions, and save.

Create Question

Title

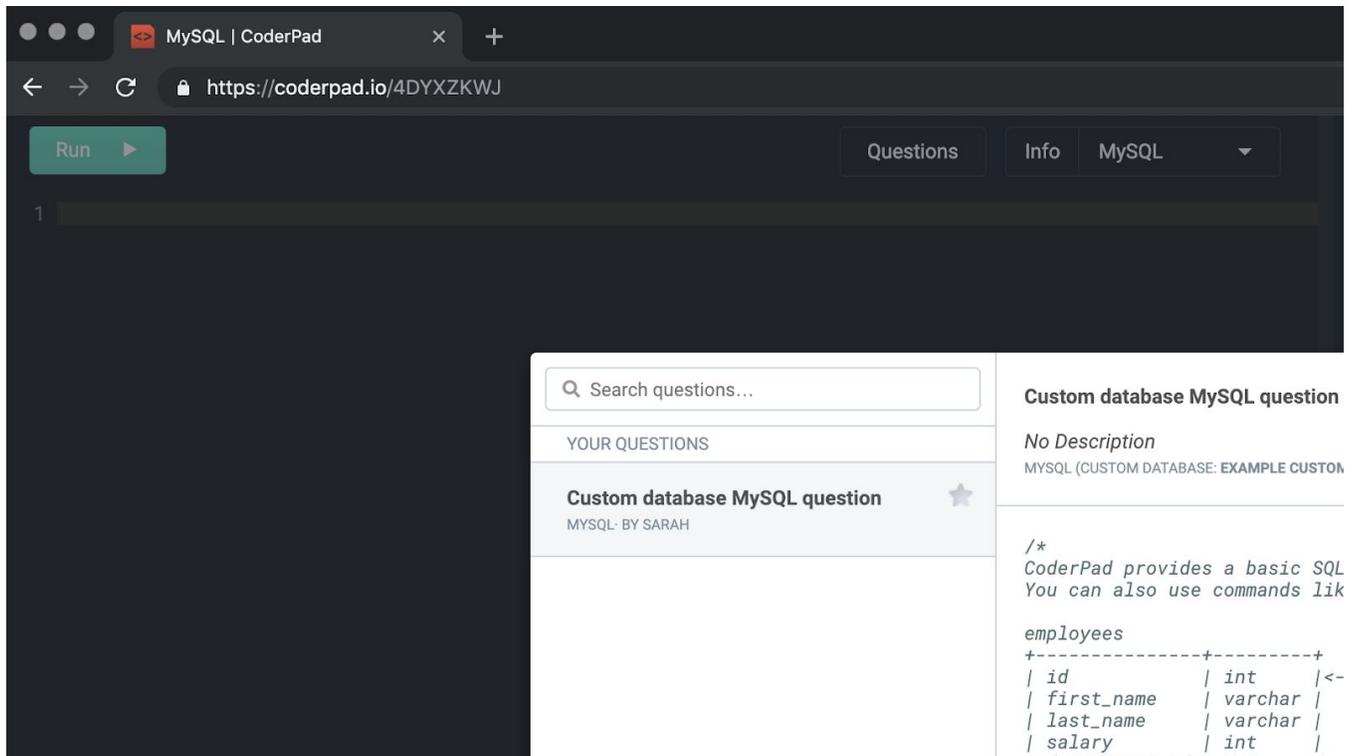
Language

Custom database

✓ (no database)
Example Custom Database

Description

Now this question and its associated database will be available for use in any interview. In any pad, open the questions menu, search for MySQL or PostgreSQL questions, and select your question. Once you insert that question into the pad, your database will automatically be loaded and available for querying.



The screenshot shows a web browser window with the URL `https://coderpad.io/4DYXZKWJ`. The browser tab is titled "MySQL | CoderPad". The interface includes a "Run" button and a "MySQL" dropdown menu. A panel on the right side of the screen displays a search bar for questions and a list of available questions. The selected question is "Custom database MySQL question" by SARAH. The panel also shows a description and a SQL schema for an "employees" table.

Search questions...

YOUR QUESTIONS

Custom database MySQL question ★

MYSQL · BY SARAH

Custom database MySQL question

No Description

MYSQL (CUSTOM DATABASE: EXAMPLE CUSTOM)

/*
CoderPad provides a basic SQL
You can also use commands lik

employees

```
+-----+-----+
| id      | int  |<-
| first_name | varchar |
| last_name | varchar |
| salary  | int   |
+-----+-----+
```