

# Creating data structure in Eclipse Dirigable

In this how-to-guide we will learn how to create, modify and query a database.

## I. First we will learn how to create a new project:

1. Open Eclipse Dirigable
2. In **Workspace Explorer** right-click anywhere and select New->Project
3. In the **New Project Wizard** give a name to your project and choose Next;

Until now we have a new project!

## II. Now we will create a data structure (Database):

1. In Workspace Explorer right-click your project and select New->Data Structure.
2. In **Create Data Structure** window select Relational Database Table and choose Next.
3. Now add all the necessary table properties such as primary key, id and other columns.
4. At the bottom, in the File name field give name to your Database.
5. In the main window of Eclipse Dirigable now add some sample data (in JSON format) if you want.
6. In **Workspace Explorer** right-click your project and select Publish.

Until now we have created a database.

## III. Now we will see how to modify and query the database.

1. At the top of Eclipse Dirigable click on "other..."
2. In the **"Open Perspective"** window choose Database and select "OK".
3. In **Workspace Explorer** right-click your project and select New->Data Structure.
4. In **Create Data Structure** window this time select Delimiter Separated Values Sample Data and choose Next.
5. Find your table, select it, and choose Next.
6. Publish your project once again as in the previous section.
7. Repeat steps 1 and 2 from this section.
8. Finally, you can query your database in the **"SQL Console"** window.