The video is addressed to trainees or people who are starting to learn the IDE. Their level of knowledge is basic SQL knowledge. Their main purpose is to learn how the IDE works.

**Written version of the video:**

We go into the Eclipse Dirigible Web IDE and start off by creating an empty project.

Right click on the blank space of the workspace explorer on the left and from the dropdown menu select Project. After that enter a project name, for example “UniversityProject”. Click Next and select the blank application template and click Finish.

Expand your project in the workspace explorer from the dropdown option on the left side of the name of the project. Right click on the project name and under New select Data Structure. We want to crate a Relational Database Table so we select it and click next. Now we need to add all the necessary table properties. The first column of the table will be the id: Click add to add a new column. For the column name type ID, give it an INTEGER type and check the not null and primary key boxes. The second column is the first name of the person who’s in the university. Again, click Add and for the column name type FIRST\_NAME, select VARCHAR type and set it’s length to 30, and check the not null box. The third colomn is last name. Do the same thing as first name colomn, only the name this time will be LAST\_NAME.

The next colomn is the average grade of the person. Create the colomn, as untill now, the name of the colomn will be AVERAGE\_GRADE, type – DOUBLE, and check the not null box. Next colomn: name – BIRTH\_DATE, type – DATE, and check the not null box.

Now you have all the needed colomns created. Click Next. And give your table a name, to match the example of the above, name it “students”, and click Finish. You will see the table definitions in JSON format. Now you want to publish your project. Right click on the project name and select Publish. After you have done that, open the database view. Click on “other…”, in the upper side of the program window. From the Perspective window select Database and click OK. Now look down, to see where the SQL Console is, and type into the console:

SELECT \* FROM STUDENTS

And click Query. You will see that no results are shown. So what is missing?

So now another data structure must be added. Right click on project New > Data Structure(from the dropdown menu) > (choose)Delimiter Separated Values and click Next. Now from the list, find your table(which was Students), click it and click Next, you don’t need to change the name of the data structure. Now once again Publish your project. And again, open the database view, select Database and click OK.

Now type once again:

SELECT \* FROM STUDENTS

in the SQL Console and Query it. This time you will see that the query was successful.