

## Analysis of the video tutorial “Dirigible - Basics - 1. Data Structures”

- Target group - Everyone who wants to use Eclipse Dirigible and users who wants to make prototype of their project
- Level of knowledge - Basic knowledge of database and programming
- Main goals - Obtain basic knowledge of how to work with Eclipse Dirigible

## Written version of the tutorial “Dirigible - Basics - 1. Data Structures”:

1. Open Eclipse Dirigible Web IDE.
2. Right-click on the workspace explorer and choose **New** -> **Project**.
3. Enter project name and click **Next**.
4. You can select one of the predefined project templates, but for now you need to select “**Blank Application**”, then click **Finish**.
5. Right-click on the project name and choose **New** -> **Data structure**. Select **Rational Database Table** and click **Next**.
6. Now you need to add all the necessary table properties(naming the table, adding the types of the columns, etc.) by clicking on **Add** and start filling in the fields for the columns like this:
  - Column1:  
Name: ID  
Type: INTEGER  
Check boxes “Not NULL?” and “Primary key?”
  - Column2:  
Name: FIRST\_NAME  
Type: VARCHAR  
Length: 30  
Check box “Not NULL?”
  - Column3:  
Name: LAST\_NAME  
Type: VARCHAR  
Length: 30  
Check box “Not NULL?”
  - Column4:  
Name: AVERAGE\_GRADE  
Type: DOUBLE  
Check box “Not NULL?”
  - Column5:  
Name: BIRTH\_DATE

Type: DATE

Check box "Not NULL?"

7. Click **Next** and name your table. Afterward click **Finish**.
8. Publish your project by right-clicking on the project name and choose **PUBLISH**.
9. Open the database view by clicking on the top of the program **OTHER...**, then choose the option **DATABASE**, then select **OK**.
10. In the SQL Console window type **SELECT\* FROM** and the **name of the table**.
11. Click on **QUERY** if nothing shows up, another DATA STRUCTURE should be implemented.
12. Add new data structure – **Delimiter Separated Values(DSV) TEMPLATE** and choose **Next**.
13. Find your table and select it, click **Next** and then **Finish**. Publish your project again with the previous instructions for publishing.
14. Open the database view. Type **SELECT\* FROM** and the **name of the table** in the SQL Console window, click **QUERY** and the publishing will be successful.