

The present work describes the implementation of an ER diagram editor, which is meant to help with conceptual modeling learning. The program called ER editor enables users to draw ER diagrams and generate accordant SQL scripts for database creation. This tool can reverse engineer an SQL script as well. Before generating both ER diagram and SQL script, the source script/diagram is verified. The work also describes the theoretical principles of SQL script generation and reverse engineering, including the layout of diagram on canvas. It also features a comparison of the implemented program with similar programs, and other information.