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DATABASE TESTING APPLICATION FOR MODIFYING TUPLES HYPOTHETICALLY

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Abstract:

The concept of hypothetical database is not new and has many interesting applications. However, utilizing the hypothetical databases in software testing has been recently introduced where it has been shown that there is a possibility of enhancing the efficiency of software testing, specifically for insertion and deletion applications. In this paper, the proposed software testing technique is further extended to database modification application. It is shown that the same testing technique, which has been introduced earlier, is perfectly applicable for modifying database records. In this paper, the sixty four conditions of hypothetical modifying tuples have been presented together with results and discussion, which is significant for both software testers as well as business applications.

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