Database Systems 2

**Project 1: Simulating Behavior of UNDO/REDO Protocol**

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In this Project we simulated Undo/Redo recovery mechanism with Java programming using Eclipse IDE as application tool. We have created all the 4 tables necessary to manage the recovery protocol.

They are:

Transaction Table (DISK)

Cache table (MAIN MEMORY)

Log file on disk (DISK)

Log buffer in (MAIN MEMORY)

Along with them we have also developed an output file which will print lines in the order of execution of the transaction. You should be able to find zip file which contains the source code necessary for the execution of program.

Steps of execution:

1. Open Eclipse with a new project and unzip(import) the content directly
2. Copy some sample input files in the directory and execute the main program.
3. Input files which are normal will execute normally
4. Inputs which has failure will impact in Undo/redo protocol.
5. A summary file is written on every execution of input files.
6. Look for Log files, Transaction table and disk blocks getting changed for each input.