

Data Handling Exercise

In the tables on the excel spreadsheet, you will find simplified representations of typical merge operations between a **source** and **target** table. Notice that these tables are the same in all scenarios. In each case, the **result** columns show the intended state of the **target** table after the merge operation has been performed.

For the non-DDL portions of your scripts, please use the SQL-92 standard. In particular, this excludes vendor-specific UPSERT statements and the newer MERGE syntax.

Your tasks are:

1. Create the **source** and **target** table programmatically, i.e. through the use of code. The use of GUI-based tools is not acceptable.
2. Each scenario should have its own results table (e.g. **result_update_null_fill**) initialized as a copy of **target**. This table will then be transformed by your code using the **source** table so that it matches the specific result table provided for each scenario.

Consider that the actual manifestations of such situations can involve tens of millions of rows in both the **source** and **target** table. Your code should take such scaling requirements into account.