

### Table Ops

```
CREATE TABLE students
  (id INT, name STRING, value DOUBLE);
CREATE TABLE IF NOT EXISTS students
  (id INT, name STRING, value DOUBLE)
INSERT INTO students
VALUES
  (4, " Ted ", 4.7),
  (5, " Tif fan y", 5.5),
  (6, " Vin i", 6.3)
UPDATE students
SET value = value + 1
WHERE name LIKE " T%"
DELETE FROM students
WHERE value > 6
CREATE OR REPLACE TEMP VIEW update s(id, name,
value, type) AS VALUES
  (2, " Oma r", 15.2, " upd ate "),
  (3, " ", null, " del ete "),
  (7, " Blu e", 7.7, " ins ert "),
  (11, " Diy a", 8.8, " upd ate ");
MERGE INTO students b
USING updates u
ON b.id=u.id
WHEN MATCHED AND u.type = " upd ate "
  THEN UPDATE SET *
WHEN MATCHED AND u.type = " del ete "
  THEN DELETE
WHEN NOT MATCHED AND u.type = " ins ert "
  THEN INSERT *
DROP TABLE students
```

### Delta Lake Commands

```
DESCRIBE EXTENDED students;
DESCRIBE DETAIL students;
DESCRIBE HISTORY students;
OPTIMIZE students
ZORDER BY id;
SELECT *
FROM students VERSION AS OF 3
RESTORE TABLE students TO VERSION AS OF 8
VACUUM students RETAIN 0 HOURS -- remove all
history
SET spark.databrickscatalogtable.history.enabled = false;
```



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