



The SQL UPDATE Statement

A photograph of a modern conference room with large windows and a long table, overlaid with a blue tint. The room features a long, dark wooden conference table surrounded by several black office chairs. Large floor-to-ceiling windows offer a view of a cityscape. The entire image is covered with a semi-transparent blue filter.

TCL's COMMIT and ROLLBACK

Transaction Control Language

- the COMMIT statement

- saves the transaction in the database
- changes cannot be undone

- the ROLLBACK clause

- allows you to take a step back
- the last change(s) made will not count
- reverts to the last non-committed state

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it will refer to the state corresponding to the last time you executed COMMIT

TCL's COMMIT and ROLLBACK



TCL's COMMIT and ROLLBACK

COMMIT;

1



TCL's COMMIT and ROLLBACK

COMMIT; COMMIT;



TCL's COMMIT and ROLLBACK

COMMIT; COMMIT;



1

2

...

TCL's COMMIT and ROLLBACK

COMMIT; COMMIT; COMMIT;



1

2

...

10

TCL's COMMIT and ROLLBACK

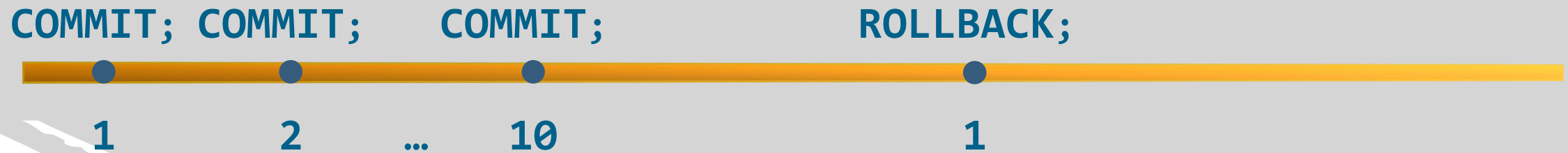
COMMIT; COMMIT; COMMIT; ROLLBACK;



1 2 ... 10 1

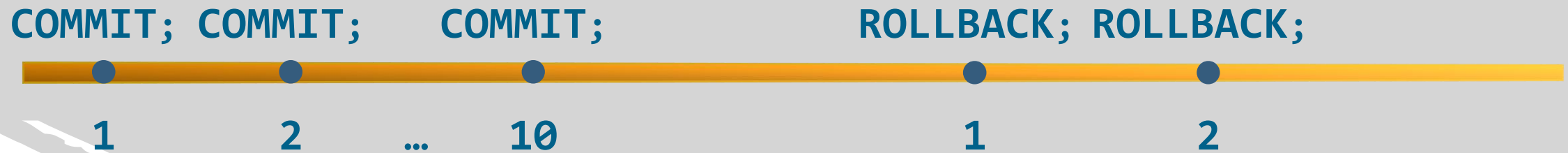
TCL's COMMIT and ROLLBACK

- ROLLBACK will have an effect *on the last execution* you have performed



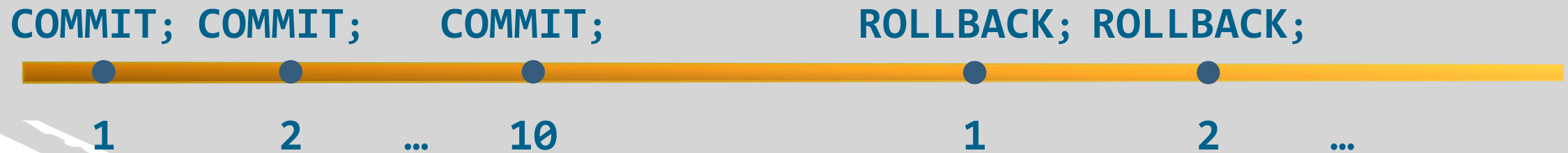
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TCL's COMMIT and ROLLBACK

- ROLLBACK will have an effect *on the last execution* you have performed
- you cannot restore data to a state corresponding to an earlier COMMIT

