The SQL UPDATE Statement

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TCL's COMMIT and ROLLBACK

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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;
```

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TCL’s COMMIT and ROLLBACK

COMMIT; COMMIT;

TCL's COMMIT and ROLLBACK

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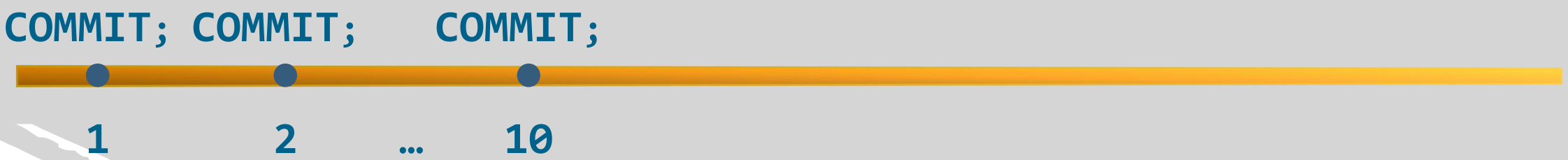
TCL's COMMIT and ROLLBACK



TCL's COMMIT and ROLLBACK

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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

The UPDATE Statement

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used to update the values of existing records in a table

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SQL

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UPDATE table_name
SET column_1 = value_1, column_2 = value_2 …
WHERE conditions;
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- we do not have to update each value of the record of interest

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```

- we do not have to update each value of the record of interest
- we can still say we have updated the specific record

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```

- if you don’t provide a WHERE *condition*, all rows of the table will be updated