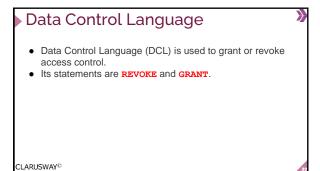


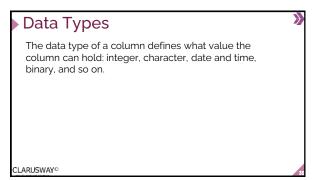
Data Definition Language DDL specifies the database schema. Some statements used in DDL are CREATE, ALTER, DROP. DDL statements are typically used to set up and configure a new database before we insert data.

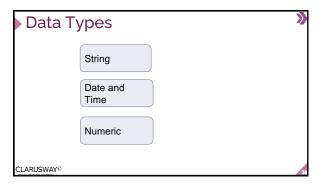


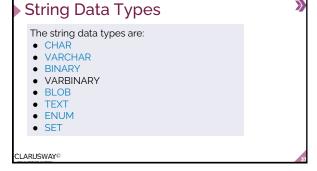


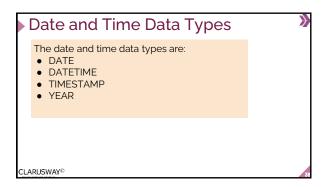


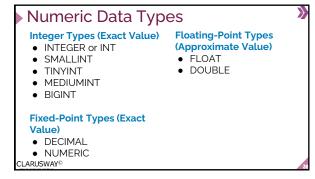


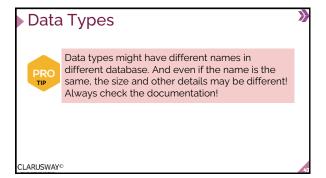


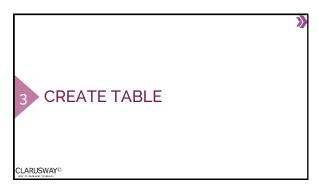














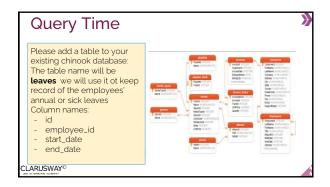
```
CREATE TABLE - Example

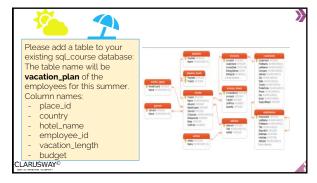
CREATE TABLE employee

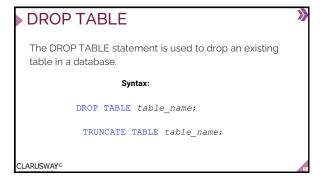
(first_name VARCHAR(15),
    last_name VARCHAR(20),
    age INT,
    hire_date DATE);

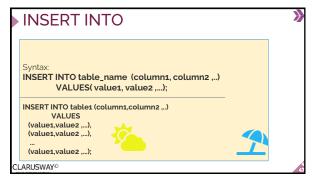
Note: Values in VARCHAR columns are variable-length strings. The length can be specified as a value from 0 to 65,535.

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```

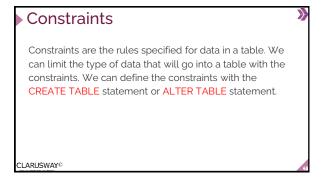


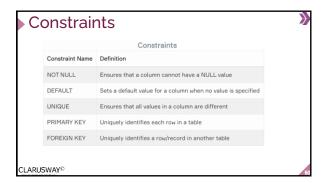


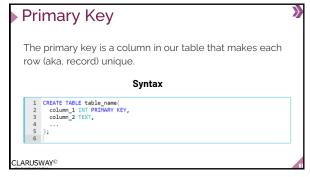


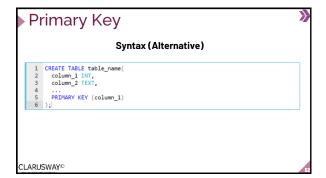








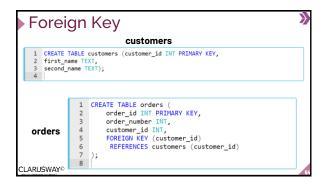


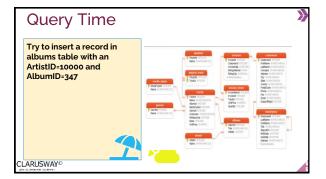


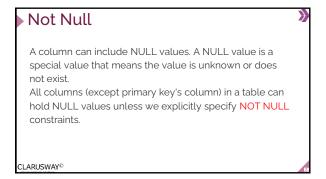
```
Foreign Key

Foreign key is a column in a table that uniquely identifies each row of another table. That column refers to a primary key of another table. This creates a kind of link between the tables.

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```



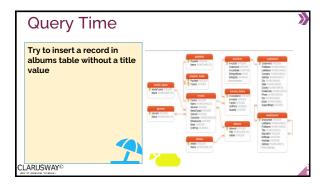




```
Syntax

1 CREATE TABLE table_name (
2 column_name type_name NOT NULL,
3 ...);

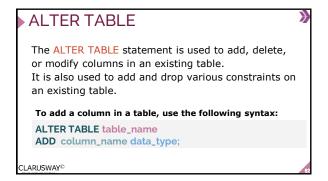
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```

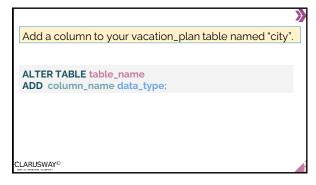












To delete a column in a table, use the following syntax:

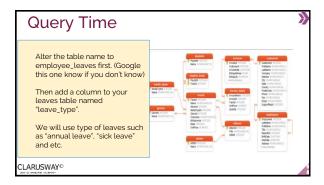
ALTER TABLE table_name
DROP column_name;

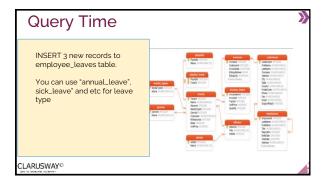
To change the data type of a column in a table, use the following syntax:

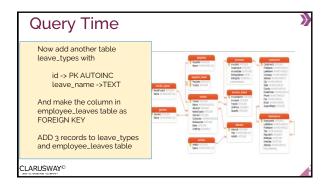
ALTER TABLE table_name
MODIFY COLUMN column_name data_type;

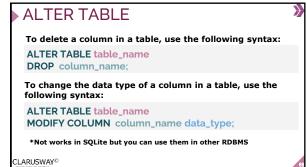
Drop the city column from vacation_plan table.

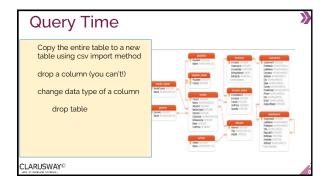
ALTER TABLE table_name
DROP column_name;

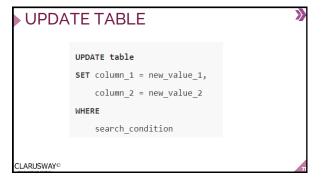


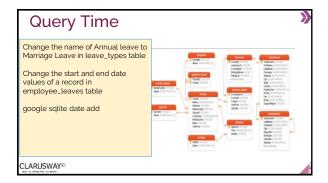




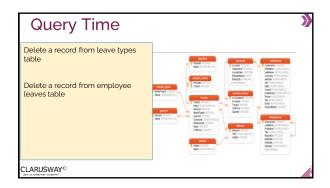


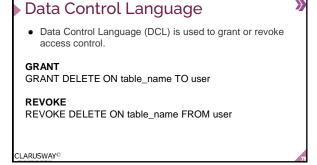












Data Control Language

GRANT SELECT,INSERT,UPDATE,DELETE ON *.* TO 'user_name'@'localhost';

GRANT ALL ON *.* TO 'user_name'@'localhost';

DROP USER user_name;

CREATE INDEX indeksi ON emp(id)

CREATE INDEX emp_idxi ON emp (ename, job);

CREATE INDEX emp_idx2 ON emp (job, ename);

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• CREATE VIEW emp_view AS

SELECT empno, ename, sal, loc

FROM emp, dept

WHERE emp.deptno = dept.deptno

AND dept.deptno = 10;

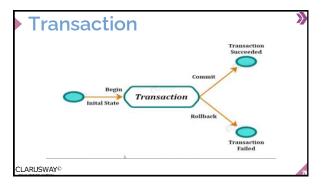
• CREATE VIEW dept20 AS

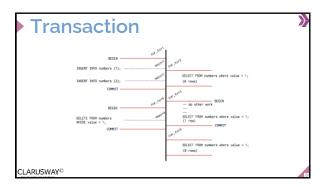
SELECT ename, sal*12 annual_salary

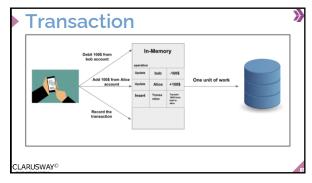
FROM emp

WHERE deptno = 20;

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```
Transaction

mysql_connect(localhost', 'username', 'password');

mysql_select_db('db_name');

//tronsaction.begining

mysql_query("BEGIN');

//query preporing

Squery1 = mysql_query("UPDATE akbank SET account = account = 10000 WHERE account_no = '625021'');

Squery2 = mysql_query("UPDATE garanti SET account = account + 10000 WHERE account_no = '124500'');

if ((Squery) or !Squery2) {

("ROLLBACK');

}
else {

("COMMIT");

}

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```

```
Trigger

CREATE [or REPLACE] TriggerName

[BEFORE | AFTER]

[DELETE | INSERT | UPDATE [of ColumnName]]

ON [User.]TableName

[FOR EACH ROW] [WHEN Condition]

BEGIN

[PL/SQL Block]

END;
```

