Types of SQL Commands SQL Commands/Statements → SDL (Data Sefinition Language) 4CREATE [TABLE | DB/PROCEDURE | FUNCTION IVILLY] C-Create Operation R — Read/Retrieve Operation
U — Update Operation
D — Delete Operation GALTER TABLE -> DOL (Data Query Language) 45ELECT (Read operation) -> TCL (Transaction Control Language)
LISTART TRANACTION DCL (Data Control Language) & 4 COMMIT -> DML (Stata Marripulation Language)
L. SINSERT INTO (Create operation) LA REVOKE Ly UPARTE, REPLACE (Update operation)

HTTP Requests (What dient sends to the server) Every HTTP request has the following: 1) Params (the part of the URL after?
paire of keys and value (param=value) separated by &) 9n a URL, special characters are not allowed, e.g.
50, special characters are encoded.

Scample: wer Egmail. com www.40gmail.com 2) Authorization

3) Headers → Metadata about the request

→ usually automatically ladded a sent with every request - Example: 4 Content-Length 4 Accept: - the list of expected response types 4 Accept-Encoding i- the list of permissible response encodings (gzip, deflate, etc.)
5 Connection: - connection type, e.g. - keep-alive Lo codeice (optional)

→ Wed for sending data to the server hidden from the URL

→ Types of Request Body: 4 x-www-form-unlencoded [(med by HTML forms)
Liraw (med by AJAX to cend JSON/XML data)
Library (send a binary file)
4 Graph BL -> thed by POST, PUT and PATCH methods

HTTP Responses (What the server sends back)
Every HTTP response (Response Entity) contains the following: 1) Body → the HTML or the XHR(JSON/XML) content sent by the server subsequent reque Toptional, but unally present

A cookee is a piece of data from a web house house. 2) Cookies → A cookée is a piece of data from a website that is stored within a web browever's storage. The website can retrieve the cookie later.

→ Cookies are automatically sent with every request to that website.

→ Cookies are used to tell the sever that were have returned to a website.

→ can expire

3) Headers -> Metadata (additional data) about the sesponse -> Usually automatically sent with every response. → Some common Response Headers are! 4 Content-type: the type of ourponce (e.g. - tent/html, application/json, etc.) 4 Expires: défault is -1. Lache-Control: whether the browser can cache the response Lache-Content-Encoding: the compression applied to the ResponseEntity (e.g.-gzip) Lacourer Litransfor Encoding Liset-cookie 4 X-XSS - Protection Lx-frame-Options

4) Status Code

→ Indicates whether a specific request has been successfully completed or not.

→ Isrued by the server in response to the client's request

HTTP Status Codes

Level 200 (Success)

200 : OK

201: Created

203: Non-Authoritative

Information

204: No Content

Level 400

400 : Bad Request

401: Unauthorized

403 : Forbidden

404: Not Found

409 : Conflict

Level 500

500: Internal Server Error

503: Service Unavailable

501: Not Implemented

504 : Gateway Timeout

599: Network timeout

502 : Bad Gateway