Http Requests

* HTTP is a protocol used for communication between web browsers and servers
* It is the foundation of data exchange on the World Wide Web
* Based on a request-response model

Features

* Stateless: Each request is independent, meaning no memory of previous interactions
* Connectionless: Once the response is sent, the connection is closed
* Media Independent: Can transfer various types of data (HTML, images, videos, JSON, etc.)

Data Handling

Some Importance Request Methods:

* Post
* Get
* Put / Patch
* Delete

Http Status Code

* 200 - Ok
* 201-Created Successfully
* 204-No Content
* 401-Unauthorized
* 403-Forbidden
* 404 Not Found
* 500-Internal Server Error

Introduction to Servlets

A Servlet is a Java program that runs on a web server or application server and handles client requests. It is mainly used for:

* Processing HTTP requests and responses
* Generating dynamic web content
* Handling form submissions
* Managing session tracking

Features

* Platform Independent (Runs on any OS with Java & Servlet container)
* Secure and Reliable
* Works with HTTP protocol