**11.** **Servlet Versions, Types of Servlets**

**• Theory:**

**1.Introduction to servlets and how they work**:- A Servlet is a small Java program that runs on a web server and handles client requests, often generating dynamic web content like HTML.

**How Servlets Work:**

1. **User Request**: A user’s browser sends a request to the web server.
2. **Servlet Invocation**: The server sends the request to the **Servlet**.
3. **Processing**: The servlet processes the request (e.g., reading data, interacting with a database).
4. **Generate Response**: The servlet creates a response (usually HTML).
5. **Send Response**: The server sends the response back to the user’s browser to display.

**2. Advantages and disadvantages compared to other web technologies.:-**

Advantages of Servlets:

* Faster and more efficient than CGI.
* Scalable and handles many requests well.
* Built-in security with Java features.

Disadvantages of Servlets:

* More complex to code than simpler technologies.
* Requires knowledge of Java.
* Setting up a server can be more complicated.