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### **PEP DOCS-3**

What is HTTP ??

Hypertext Transfer Protocol (HTTP) is an application-layer protocol for transmitting hypermedia documents, such as HTML. It was designed for communication between web browsers and web servers.

It is the foundation of any data exchange on the Web and it is a client-server protocol, which means requests are initiated by the recipient, usually the Web browser. A complete document is reconstructed from the different sub-documents fetched, for instance, text, layout description, images, videos, scripts, and more.

### **PROPERTIES OF HTTP**

- It is simple and readable.
- It is easy to extend
- It is stateless

## **HTTP REQUEST METHODS**

HTTP defines a set of request methods to indicate the desired action to be performed for a given resource.

These are:

### **1. GET:**

GET request is used to read/retrieve data from a web server.

### **2. POST:**

POST request is used to send data (file, form data, etc.) to the server.

### **3. PUT:**

A PUT request is used to modify the data on the server.

### **4. PATCH:**

PATCH is similar to PUT request, but the only difference is, it modifies a part of the data. It will only replace the content that you want to update.

### **5. DELETE:**

A DELETE request is used to delete the data on the server at a specified location.

## WHAT IS AXIOS ??

Axios is a promise-based HTTP client for Node.js and the browser. Sending asynchronous HTTP queries to REST endpoints and performing CRUD operations is simple using Axios POST request and GET request.

INSTALL AXIOS : npm install axios

## HOW TO SEND HTTP REQUEST USING AXIOS ??

Sending HTTP requests with Axios is as simple as giving an object to the axios() function that contains all of the configuration options and data.

```
axios({
  method: "post",
  url: "/user_login",
  data:{
    username: "john1904",
    firstname: "John",
    lastname: "Abraham"
  }
});
```