1. What are Http request methods available?

What is the usage of them?

The Hypertext Transfer Protocol (HTTP) is intended to empower interchanges among clients and servers.

HTTP characterizes a lot of solicitation techniques to demonstrate the ideal activity to be performed for a given asset. In spite of the fact that they can likewise be things, these solicitation strategies are in some cases alluded to as HTTP action words. Every one of them actualizes an alternate semantic, however some basic highlights are shared by a gathering of them

Here is the http request method verbs,

[GET](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/GET), [HEAD](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/HEAD), [POST](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/POST), [PUT](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/PUT), [DELETE](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/DELETE), [CONNECT](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/CONNECT), [OPTIONS](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/OPTIONS), [TRACE](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/TRACE), [PATCH](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/PATCH)

1. What do you understand by session management?

Session management is the standard set that administers associations between an electronic application and clients. Programs and sites use HTTP to impart, and a web meeting is a progression of HTTP solicitations and reaction exchanges made by a similar client.

There are four unique strategies utilized by Servlet application for meeting the board. They are as per the following.

* Cookies
* Hidden form field
* URL Rewriting
* Http Session

Session is utilized to store everything that we can get from the customer from all the solicitations the client makes.

1. What is a web application and what is a web site?

What are the differences between them ?

A web application is a product application that executes on remote server. As a rule, Web browsers are utilized to get to Web applications, over a system, for example, the Internet. Some web applications are utilized in intranets, in organizations and schools, for instance.

There are several types of web applications

* ex:
* Static web applications.
* Dynamic web applications.
* E-commerce apps.
* Portal web application.
* Animated web application.
* Content management systems.

A web site is an assortment of site pages and related substance that is recognized by a typical area name and distributed on at any rate one web worker. All freely available sites all in all establish the World Wide Web.

* Differences between web application and website -

A web application is an application that cooperates with the client and the Internet. It very well may be through coding that your program gets from a site or local projects on your PC or cell phones. A site is a lot of substance that lives on a worker. Then again, a web application is a customer that speaks HTTP.

Web applications need verification, as they offer an a lot more extensive extent of choices than sites. But verification isn't required for informational websites. The client may request to enlist to get a normal update or to get to extra alternatives. This highlights not accessible for the unregistered site guests.

A web application is intended for cooperation with the end client. A website for the most part comprises of static substance. It is openly available to all the guests

1. What is the filter? What is the usage of filters? What is filter chaining?

* In signal processing, a filter is a gadget or procedure that expels some undesirable segments or highlights from a sign. Sifting is a class of sign preparing, the characterizing highlight of filters being the finished or halfway concealment of some part of the sign.
* **Usage of filter** - Filter is a gadget or procedure that evacuates some undesirable parts or highlights from a sign. Filtering is a class of sign handling, the characterizing highlight of filters being the finished or fractional concealment of some part of the sign.
* **Filter chaining** - The filter chain mirrors the request for the channels. The servlet holder, dependent on the design request in the web. xml files, builds the chain of channels for any servlet or other asset that has channels planned to it.

1. Why Listeners are used ?

Event listeners represent the interfaces responsible to handle events. Java provides various Event listener classes interfaces mindful to deal with occasions. Java gives different Event audience classes, be that as it may, just those which are all the more habitually utilized will be examined. Each technique for an event listener strategy has a solitary contention as an item which is the subclass of EventObject class

Event listener is utilized for tuning in to events in a web holder, for example, when you make a meeting or spot a characteristic in a meeting or on the off chance that you passivate and initiate in another compartment, to buy in to these occasions you can arrange audience in web

1. List what are the available Wrappers in Servlets and explain why use Wrappers

* **ServletRequestWrapper**
* **HttpServletRequestWrapper**
* **ServletResponseWrapper**
* **HttpServletResponseWrapper**

A wrappers is any element that encapsulates another thing. Wrappers are utilized for two basic roles,

To convert simple data types into objects

Parsing operations (convert strings into data types)

1. The importance of handling exceptions in global level in web applications

Exception handling is important because it helps maintain the normal, desired flow of the program even when unexpected events occur. If exceptions are not handled, programs may crash or requests may fail.

Exception handling mechanism that empowers to recognize extraordinary conditions in your projects and fix the special cases as and when they happen. It can make programs that fix special cases and proceed with execution as though there were no blunders. In the event that there is a chance of more than one exemption, can utilize various catch squares to deal with the various special cases.