**Web application and Maven**

* **What is the difference between a webserver and application server?**

Web server is a system which takes the input as HTTP request and gives response .Application Server is a software which executes the bussiness logics for a request.

* **What is MIME type?**

**Browser** :- web browser is an application software to explore [WWW It](http://www.it/) provides the interface b/w server and clients and request to the server for WebServices.

MultiPurpose Internet Mail Extension(MIME) is a type tells to the broswer which filetype of the file is sent by HTTP by the web Server.

* **Which HTTP method is non-idempotent?**

Post method is Non-Idempotent because,Post method always results in a server state change. If the POST method was idempotent, everything sent and accepted to or from the web server would already have to exist on the server in some form to respond with the same codes and value response. For that reason, POST cannot be idempotent.

* **What is the difference between HTTP GET and POST method?**

Get :- HTTP get() is used to get the data from the servlet or database.

post:- Http post() is used to send the data to the servlet .

* **Are servlet threads safe? How to achieve thread safety in servlets?**

By default, servlets are not thread-safe. Synchronize write access to all instance variables, as in public synchronized void method() (whole method) or synchronized(this) {...} (block only).

* **What is the difference between GenericServlet and HttpServlet?**

The main diffrence b/w HTTP servlet and Generic Servlet is Protocal diffrence Http servlet can be used only with http protocal where as Generic servlet can be used with any protocal.

* **What is a WAR file?**

WAR is nothing but Web Application Reader.which consist of java web applications

JAR is nothing but Java application Reader.which consist of Java programing files.

* **What is the load on startup in a servlet?**

loads the servlet at the time of deployment or server start if value is positive.

* **How do we get the IP address of a client in a servlet?**

Httpservletrequest.getRemoteAddr() method is used to get IP Address of client servlet

* **Can we create a deadlock situation in a servlet?**

Yes we can create deadlock situation in servlets

* **Why doesn’t a servlet include a main ()?**

Because Servlet in running on the server . If we use main() the outout will be printed on the console.

* **What is a ServletConfig and ServletContext?**

ServletConfig consist of Servlet Details and ServletContext consist of ServerName,Server Details.

The information is shared to only one servlet by servlet config and by servlet context we can share the information to all the servlets avilable in the web application.

* **What are Servlet Life cycle methods and purpose?**

init() service( , ),destroy() .init() method is used to initilize the servlet program , service() is used to write bussiness logic and destroy() is used to destroy the servlet cycle.

* **What are HTTP status codes? List out some important status codes?**

Http status code is used give the request to servlet and get the response from the browser.

* **What is the meaning of a default servlet?**

Default servlet is a servlet .when ever we are not creating any servlet by default webserver automatically create default servlet.

* **Write differences between forwarding and redirection?**

Forwarding() is used to forward the request from one servlet to another resourse(i.e, servlet,jsp,html, etc..) and Redirecting() is used to send the request from one web application to another application.

* **What are Effective POM, super pom?**

POM is Project Object Model is a fundamental unit of maven it consist of xml configerations . Super pom consist of the all the details of the our pom file.

The files which are in our pom file those are holding in super pom are called Effecive pom .

* **What is Serialisation and deserialization of a java object?**

Serialisation : Converting the object into network supported (or) converting into binary format.

DeSerialisation : Converting the binary format object into network supported.

* **Which repository is contacted first to locate the dependencies needed for the project?**

Repository are Classes that the logic requried to acess the data from the source.

Acc to Maven the repository means where all the projects,Jars,plugins are placed.

there are three types of repositorys they are 1) local

2) central

3) remote