Advance java

1. It is a set of multiple technologies.
2. Using these technologies, you can develop a web application.
3. Using JSP and servlet technology you can build the Web Application.

**Web Application**

1. Web Applications are also known as client and server application.
2. In this application client and server communicate with each other through a network.
3. For communication request and response are used.



1. There are 2 type of web application
   1. Static Web sites
      1. The content of the application is same for every user.
      2. This web sites are used for an informative site.
      3. To create this application you will required client side technologies like HTML, CSS, JS etc.
   2. Dynamic Web Application
      1. The content of the application will be change use to user.
      2. These are the Baking app, E-commerce, social sites etc.
      3. To develop these application you should know client and server side technologies such as HTML, CSS, JS, Servlet, JSP etc.

**Technologies**

**Client Side Technologies**

The code executes at client/bowser side. Such as HTML, CSS, JS etc.

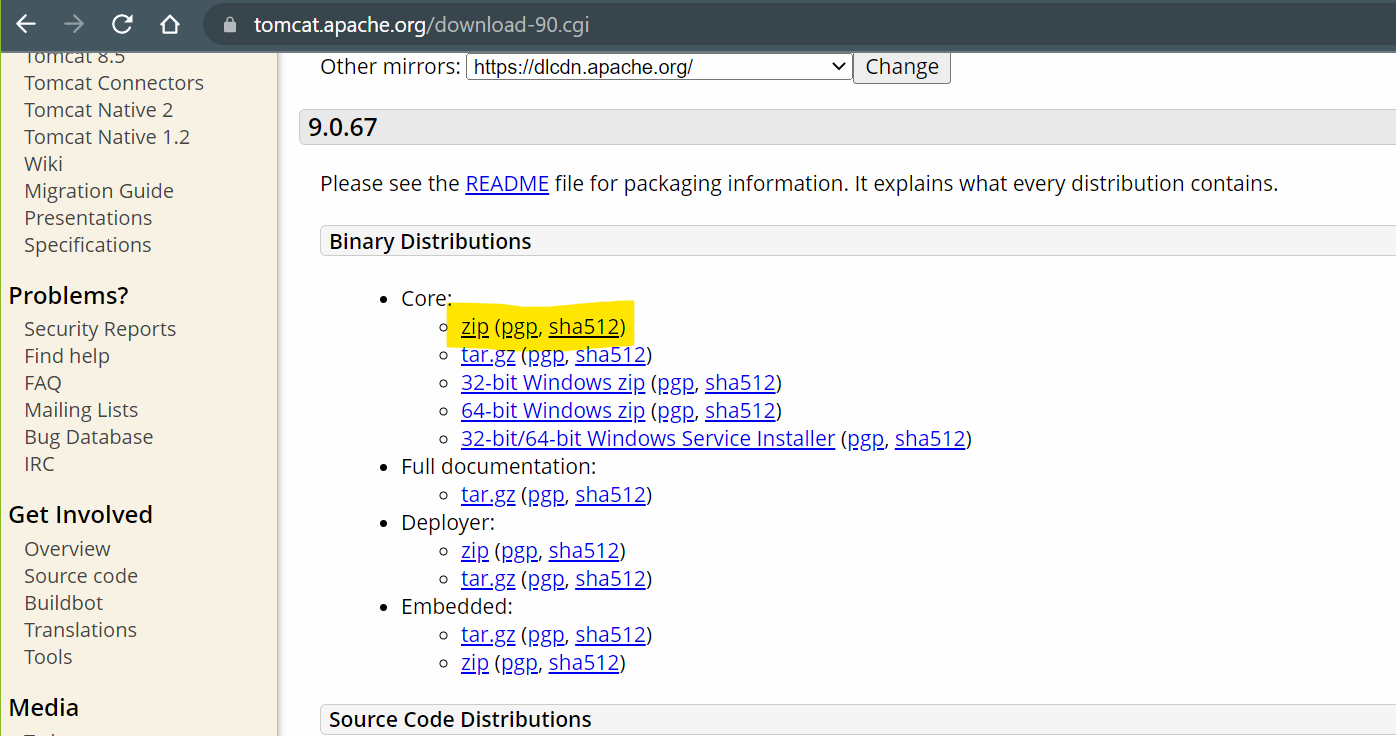
**Server Side Technology**

The code executes at server side. Such as JSP, Servlet, PHP, Asp.Net, Python.

**Environment Setup**

1. Download Tomcat server

[**https://tomcat.apache.org/download-90.cgi**](https://tomcat.apache.org/download-90.cgi)



1. Extract Server and Setup server into eclipse
   1. Copy and paste zip fine into an appropriate location.
   2. Extract the ZIP file.
   3. Server Setup in eclipse
      1. Set the eclipse perspective to “Java EE”
      2. Go to “servers” tab (at the bottom of the eclipse window)
      3. Click the link to add new Server.
      4. Expand the Apache option from the new Window
      5. Select the Tomcat version which is downloaded.
      6. Click on “Next”
      7. Browse for the tomcat path (path must the parent folder of the extracted tomcat in which bin, lib, config folders are present)
      8. Click on “Next” -> “Finish”

**Create Web Application in Eclipse**

1. “File” Menu -> “New” Option -> select “Dynamic Web Project”
2. Provide the Project Name (Make sure that target runtime is selected)
3. Click on “Next” -> Click “Next”
4. Make Sure that “Generate web.xml deployment descriptor” check box is selected
5. Click on “Finish”

**Dynamic Web Project Structure**

