*Dt : 24/11/2023*

*Java Technology:*

  *=>The process of applying the knowledge for realtime world application*

  *development is known as Technology.*

  *=>Java Technology internally categorized into two parts:*

  *1.Language*

  *2.Platform*


*1.Language:*

  *=>Java is a Language because it is having its own syntax(grammer),*

  *alphabets(programming components) and Construction rules.*


*2.Platform:*

  *=>Java is also a PlatForm,beacuse it is having its own environment*

  *for execution.*

  *=>Java Paltforms are categorized into the following:*

  *(a)JavaSE*

  *(b)JavaEE*

  *(c)JavaME*


*(a)JavaSE:*

  *=>JavaSE means 'Java Standard Edition' and which is used for NonServer*

application development.

=>JavaSE means 'CoreJava+JDBC'


**(b)JavaEE:**

=>JavaEE means 'Java Enterprise Edition' and which is used for Server

based application Development.

=>Part of JavaEE,AdvJava covers Servet and JSP.


**(c)JavaME:**

=>JavaME means 'Java Micro Edition' and which is used for Machine and

Mobile related application development.

=>JavaME also known as Machine Edition or Mobile Edition.

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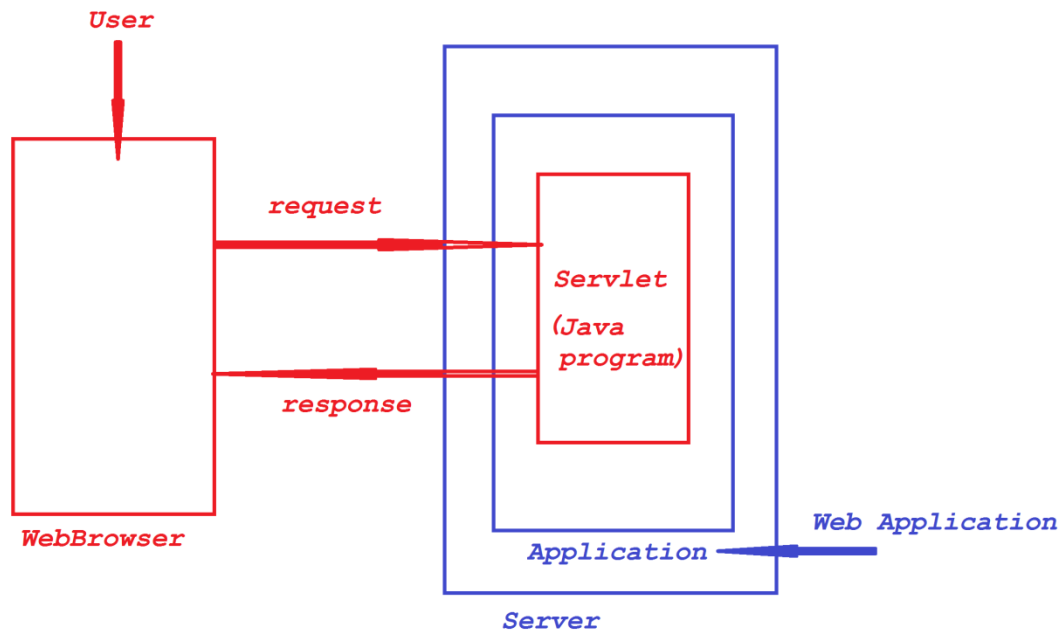==

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**Servlet Programming:(Part-2)**


**define Servlet?**

=>The platform independent JavaProgram which is executed in Server

environment and interacts with user through WebBrowser is knwon as

Servlet Program or Server Program.

=>Servlet Programs will extent the functionality of Server.

*=>Servlet program will accept the request from the User and provides the*

*response.*

*Diagram:*



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*faq:*

*define Web Application?*

  *=>The application which is executed in Web Environment or Internet*

*environment is known as Web Application.*

=>These WebApplications will interact with WebBrowsers.

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=>These Web Applications are loaded to Web-Container of Server for

execution.

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faq:

define Server?

=>Server means Service provider,which means accepts the request and

provides the response.

=>Servers are categorized into two types:

1.Web Servers

2.Application Servers


1.Web Servers:

=>Web Servers will have only Web-Container.

=>Web Servers are used to execute Web Applications.

=>Web Servers will accept request from HTTP protocol.

Ex:

Tomcat


2.Application Servers:

=>Application Servers will have both Web-Container and EJB Container

*(EJB - Enterprise Java Bean)*

*=>Applications Servers are used to execute both Web Applications and*

*Enterprise Applications.*

*=>Application Servers will request from HTTP,RMI and RPC protocols*

*(RMI - Remote Method Inovacation)*

*(RPC - Remote Procedure Call)*

*Ex:*

*WebSphere,JBoss,IIS,...*

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