

**Dt : 18/10/2024(Day-19)**

**Summary of Objects:**

**CoreJava:**

**1.User defined class Objects**

**2.String-Objects**

**3 WrapperClass-Objects**

**4.Array-Objects**

**5.Collection<E>-Objects**

**6.Map<K,V>-Objects**

**7.Enum<E>-Objects**

**JDBC:**

**1.Connection Object**

**2.Statement Object**

**3.PreparedStatement Object**

**4.CallableStatement Object**

**5.ResultSet Objects**

**(i)Scrollable ResultSet Objects**

**(ii)NonScrollable ResultSet Objects**

**6.Metadata-Objects**

**(i)DatabaseMetaData Object**

**(ii)ParameterMetaData Object**

**(iii)ResultSetMetaData Object**

**7.RowSet Objects**

**(i)JdbcRowSet Object**

**(ii)CachedRowSet Object**

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**faq:**

**wt is the diff b/w**

**(a)JavaSE**

**(b)JavaEE**

**(c)JavaME**

**(a)JavaSE:**

**=>JavaSE means 'Java Standard Edition' and which is used for basic application development,which means used to development NonServer Applications.**

**Ex:**

**CoreJava + JDBC**

**(b)JavaEE:**

**=>JavaEE means 'Java Enterprise Edition' and which is used to develop Server Applications like Web Applications and Enterprise Applications.**

**Ex:**

**Servlet,JSP,WebServices,...**

**(c)JavaME:**

**=>JavaME means 'Java Micro Edition' and which is used to development Embedded applications and Mobile Applications.**

**(Machine Related Applications and Mobile Application)**

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**\*imp**

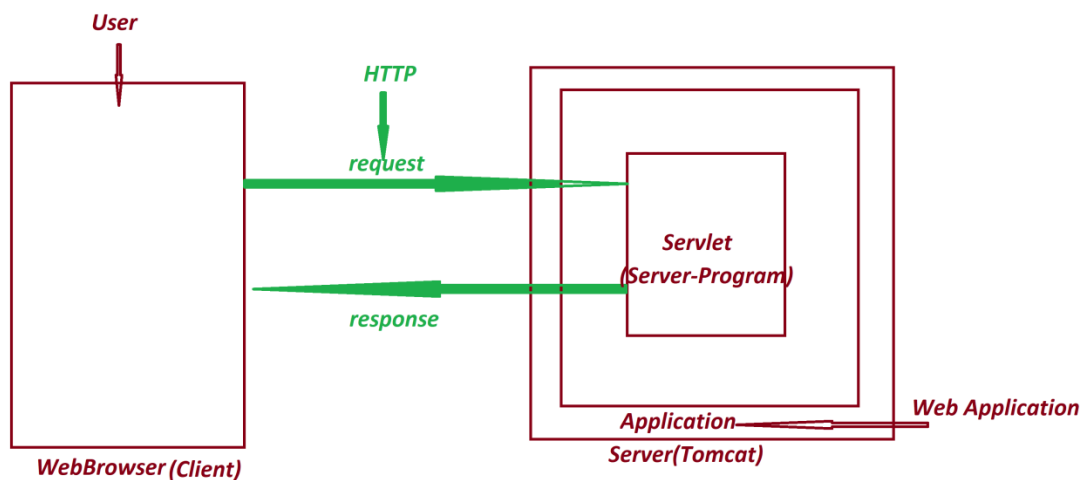
**Servlet Programming:**

**define Servlet?**

**=>Servlet is a Server-program,which accepts the request from user through**

**WebBrowser and provides the response**

**Diagram:**



**faq:**

**define Client?**

**=>The user who raises request to server is known as Client.**

**faq:**

**define Server?**

**=>Server means service provider,which means accepts the request and provide the response.**

**=>These Servers internally provide 'WebContainer' to execute WebApplications.**

## **Types of Servers:**

**=>Servers are categorized into two types:**

**1.Web Servers**

**2.Application Servers**

### **1.Web Servers:**

**=>Web Servers will provide only 'WebContainer' to execute WebApplications.**

**=>WebServers are preferable to execute static content.**

**=>Web Servers will accepts requests from HTTP protocol.**

**EX:**

**Tomcat**

### **2.Application Servers:**

**=>Application Servers will provide both 'Web Container' and 'EJB container'.**

**(EJB - Enterprise Java Bean)**

**=>Application Servers will execute both 'Web Applications' and 'Enterprise Applications'(Enterprise Distributed Applications)**

**=>Application Servers are preferable for dynamic content.**

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

**(RPC - Remote Procedure Call)**

**(RMI - Remote Method Invocation)**

**Ex:**

**WebLogic**

**WebSphere**

***JBoss***

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