**JAVA 2 ENTERPRISE EDITION-J2EE**

* Jdbc is the one and only API to interact with database.
* Application - set of programs to perform particular action.

**Two types:-**

* Stand-alone Application (unshared / desktop applications.
* Web application(shared applications)
* The application is installed in our own system and they are dedicated per user is called as standalone application.
* ex: media player, pdf reader
* these applications are not present in our own computer but they are present in some other
* compuetr and our computer and our computer that computer(server) is networ connected.
* the web applcations are present in network.
* to interact with web application wemust need to mae use of
* 1-Ntework
* 2-Web Browser

->Networ is a collection of computers and 2 types of networks

1.Internet-(public) ex: atm cards

2.Intranet-(private) ex: id cards

->servers - its also a computer but hardware of the computer is pretty level compare to our own computers.

ex:Servers can have ram upto GB's of rams.

Java 2 Enterprise Edition(J2EE,JEE,JAVA EE)

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\* j2ee is a collection of api which are used to develop a enterprise web application.

\*API - collection of pacages and every api has its own dedicated functionality.

ex: JDBC, Servlets and jsp, Java mail, etc..

\*JDBC helps web application to interact with database.

\*Servlets and jsp helps web application to get request from browser, generate the response and gives back to the

browser.

\* All api's are based upon java and hence they are platform independent.

**Java DataBase Connectivity**

* \*its an api, the name implies, it helps to connection between java programs and database.
* \*also jdbc is db independent. that is using jdbc we can interact with any RDBMS application.

**Necessary steps to work with JDBC:**

* Load the driver
* Get database connection via driver.
* Issue sql query via connection.
* Process the results returned by sql queries.
* Close all jdbc objects.

‘java.sql.\*’ is the package representation of JDBC.

**Drivers:**

* Drivers are the additional software components required by JDBC to interact with RDBMS applications.
* Drivers are provided by db venders and they are DB dependent.

**Driver class:**

* “Driver Class ” is a concrete class present in driver JAR file is the one that implements “java.sql.Driver” interface.
* This interface present in JDBC API and every driver provider has to implement this interface.
* “Driver” helps us to establish