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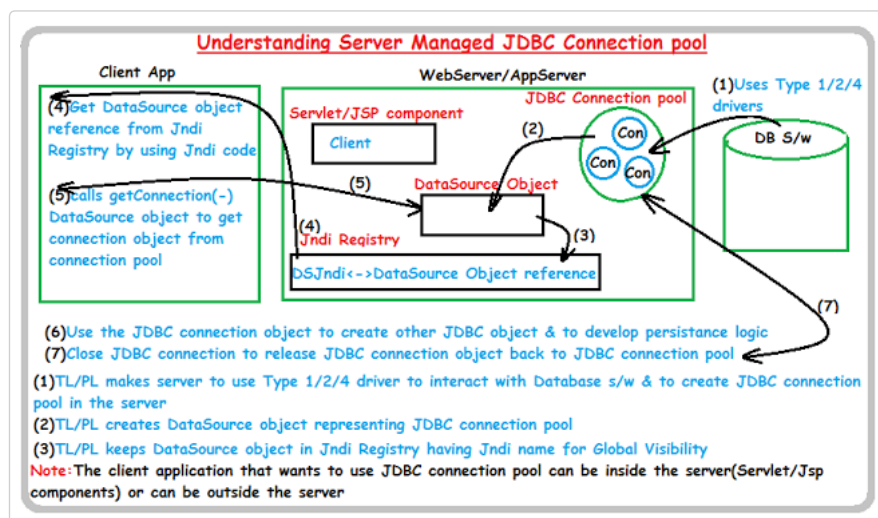
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JDBC Con Pool

## Understanding Server Managed JDBC Con Pool:



**Note:** The client application that wants to use JDBC Connection Pool can be inside the server (Servlet/JSP components) or can be outside the server

## Procedure to create JDBC Connection Pool for Oracle in WLNTAJ94 Domain server of weblogic 12c

### Steps:

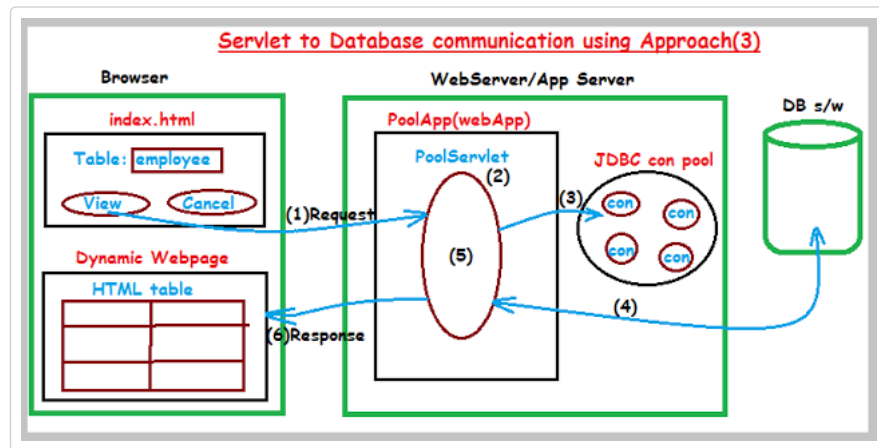
- 1.) Start wln taj94 domain server
- 2.) Open Admin Console of weblogic  
http://localhost:7070/console  
--> Login with username & password
- 3.) Create JDBC DataSource pointing to JDBC Connection Pool for Oracle

Admin console --> services --> Data sources --> new --> Generic data source --> name(Ds1) --> jndi name(DsJndi) --> Database type(Oracle) --> next --> Data base driver(oracle driver thin for service connections) --> next --> next --> Database name(xe) --> port(7070) --> Database username & password --> next --> Test Configuration --> next --> select Admin Server --> Finish

Launch Ds1 --> connection pool tab --> pool parameters (initial capacity 10 & max capacity 40) --> save --> advanced --> Shrink Frequency (900=after every 900 sec every idle jdbc connection objects will be destroyed) --> Save

**Note:** When we click on finish button data source object representing connection pool will be placed in JNDI Registry automatically

## Servlet to Database communication using Approach (3)



PoolApp (EDWP)

|-> java resources

|-> src

|-> org.service

|-> PoolServlet.java

|-> webcontent

|-> index.html (no need of supplying jar files ojdbc6.jar in build path and in WEB-INF\lib folder)

|-> WEB-INF

|-> web.xml

e.g App (refer "PoolApp" application of workspace)

--> Jdbc Connection object represents connectivity with DB software from java applications where as Jndi InitialContext object represents connectivity with Jndi Registry from java applications and provide base to perform Jndi Operations (bind , rebind, lookup & etc...)

#### Sample Jndi Code to get Datasource object

```

//represents con with jndi registry
InitialContext ic = new InitialContext();
//gets data source object from jndi registry
DataSource ds = (DataSource)ic.lookup("DsJndi");
//gets connection object from jdbc con pool
Connection con = ds.getConnection();
  
```

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