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**Class :** TE( Comp ) - B

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**Assignment 10: EJB**

Design and implement a business interface with necessary business logic for any web

application using EJB.

e.g., Design and implement the web application logic for deposit and withdraw amount

transactions using EJB

**HelloWorld.java**

packagecom.ibytecode.business;

importjavax.ejb.Remote;

@Remote

publicinterfaceHelloWorld{

publicStringsayHello();

}

HelloWorldBean.java

packagecom.ibytecode.businesslogic;

importcom.ibytecode.business.HelloWorld;

importjavax.ejb.Stateless;

@Stateless publicclassHelloWorldBeanimplementsHelloWorld{ publicHelloWorldBean(){

}

publicStringsayHello(){

return"HelloWorld!!!";

}

}

**ClientUtility.java**

packagecom.ibytecode.clientutility;

importjava.util.Properties;

importjavax.naming.Context; importjavax.naming.InitialContext; importjavax.naming.NamingException; publicclassClientUtility{ privatestaticContextinitialContext;

privatestaticfinalStringPKG\_INTERFACES="org.jboss.ejb.client.naming"; publicstaticContextgetInitialContext()throwsNamingException{ if(initialContext==null){

Propertiesproperties=newProperties();

properties.put(Context.URL\_PKG\_PREFIXES,PKG\_INTERFACES); initialContext=newInitialContext(properties);

}

returninitialContext;

}

}

**EjbApplicationClient.java**

packagecom.ibytecode.client;

importjavax.naming.Context;

importjavax.naming.NamingException;

importcom.ibytecode.business.HelloWorld;

importcom.ibytecode.businesslogic.HelloWorldBean; importcom.ibytecode.clientutility.ClientUtility; publicclassEJBApplicationClient{

publicstaticvoidmain(String[]args){

HelloWorldbean=doLookup();

System.out.println(bean.sayHello());//4.Callbusinesslogic } privatestaticHelloWorlddoLookup(){

Contextcontext=null;

HelloWorldbean=null; try{

context=ClientUtility.getInitialContext();

StringlookupName=getLookupName();

bean=(HelloWorld)context.lookup(lookupName); }catch(NamingExceptione){

e.printStackTrace();

}

returnbean;

}

privatestaticStringgetLookupName(){

StringappName="";

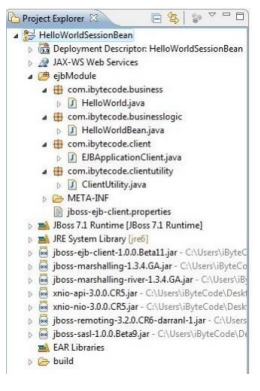
StringmoduleName="HelloWorldSessionBean"; StringdistinctName="";

StringbeanName=HelloWorldBean.class.getSimpleName(); finalStringinterfaceName=HelloWorld.class.getName(); Stringname="ejb:"+appName+"/"+moduleName+"/"+ distinctName+"/"+beanName+"!"+interfaceName; returnname;

}

}

**ExpectedOutput**

****