**DataSource Objects :-**

1.OCTOPUSDS

2.OCTOPUS\_COFFEE

3.OCTOPUS\_TEA

4.OCTOPUS\_COCOA

5.OCTOPUS\_PALMOIL

6.OCTOPUS\_HAZELNUT

**Classes using the concept of Connection Pooling and performing various JDBC Operations:-**

1.TransactionConnectionManager.java

2.ConnectionManager.java

3.EntityManager.java

4.JNDILDAPConnectionManager.java

**Steps to obtain a connection from a data source :**

1. **Obtain the initial JNDI context.**

To guarantee portability between different environments, the code used to retrieve an InitialContext object (in a servlet, in a JSP page, or an EJB) is as follows:

InitialContext ctx = new InitialContext();

1. **Use a JNDI lookup to obtain a data source reference.**

To obtain a reference to a data source bound to the JNDI context, look up the data source’s JNDI name from the initial context object. The object retrieved in this way is cast as a DataSource type object:

ds = (DataSource)ctx.lookup(JndiDataSourceName);

1. **Use the data source reference to obtain the connection.**

conn = ds.getConnection();

**JNDI Registry File:-**

Mysql-ds.xml

**Connection Pooling IMP Attributes :**

**jndi-name**: OCTOPUSDS, GP\_DATALINK, OCTOPUS\_COFFEE, OCTOPUS\_TEA, OCTOPUS\_COCOA, OCTOPUS\_PALMOIL

**DataSource CLASS** : com.mysql.jdbc.jdbc2.optional.MysqlXADataSource

**ConnectionURL**: 1.jdbc:mysql://10.95.4.89:3306/OCTOPUS\_MASTER?useUnicode=true&amp;characterEncoding=UTF-8&amp;characterSetResults=UTF-8

2. jdbc:mysql://10.95.4.89:3306/DATALINK?useUnicode=true&amp;characterEncoding=UTF-8&amp;characterSetResults=UTF-8

3. jdbc:mysql://10.95.4.89:3306/OCTOPUS\_COFFEE?useUnicode=true&amp;characterEncoding=UTF-8&amp;characterSetResults=UTF-8

4. jdbc:mysql://10.95.4.89:3306/OCTOPUS\_TEA?useUnicode=true&amp;characterEncoding=UTF-8&amp;characterSetResults=UTF-8

5. jdbc:mysql://10.95.4.89:3306/OCTOPUS\_COCOA?useUnicode=true&amp;characterEncoding=UTF-8&amp;characterSetResults=UTF-8

6. jdbc:mysql://10.95.4.89:3306/OCTOPUS\_PALMOIL?useUnicode=true&amp;characterEncoding=UTF-8&amp;characterSetResults=UTF-8

**User-name** : octopusdb

**Password** : 0ctopus@db321

**min-pool-size** : 5

**max-pool-size**: 50

**idle-timeout-minutes** : 10