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FACULTY OF Engineering &  
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```
//step3 create the statement object
Statement stmt=con.createStatement();

//step4 execute query
ResultSet rs=stmt.executeQuery("select * from emp");
while(rs.next())
System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getString(3));

//step5 close the connection object
con.close();

}catch(Exception e){ System.out.println(e);}

}
}
```

Here emp is the name of the table in database and userid is system and password is oracle

## Java Database Connectivity with Oracle

1. Here using Oracle 10g as the database. So we need to know following information for the oracle database:**Driver class:** The driver class for the oracle database is **oracle.jdbc.driver.OracleDriver**.

**Connection URL:** The connection URL for the oracle10G database is **jdbc:oracle:thin:@localhost:1521:xe** where jdbc is the API, oracle is the database, thin is the driver, localhost is the server name on which oracle is running, we may also use IP address, 1521 is the port number and XE is the Oracle service name.

You may get all these information from the tnsnames.ora file.

**Username:** The default username for the oracle database is **system**.

**Password:** It is the password given by the user at the time of installing the oracle database.

### 2. Create a Table

Before establishing connection, let's first create a table in oracle database.

Following is the SQL query to create a table.

```
create table emp(id number(10),name varchar2(40),age number(3));
```

```
import java.sql.*;
class OracleCon{
public static void main(String args[]){
try
{
Class.forName("oracle.jdbc.driver.OracleDriver");
Connection con=DriverManager.getConnection( "jdbc:oracle:thin:@localhost:1521:xe",
"system","oracle");
Statement stmt=con.createStatement();
ResultSet rs=stmt.executeQuery("select * from emp");
while(rs.next())
System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getString(3));
con.close();
}
catch(Exception e)
{ System.out.println(e);}

}
}
```

# Quiz

1. Explain various components for creating UI provided in AWT package?
2. What are Events and how event handling is done in java?
3. Explain source, event and receiver?
4. Explain the life cycle of applet and how it is run?
5. What are jar files and how are they created?