# Quick Reference Book - SQL

**DATA BASE**

**SQL initial setup:**

1. Install Oracle SQL Developer.
2. Install the Oracle Database. Download available [here](http://www.oracle.com/technetwork/database/enterprise-edition/downloads/index.html).
3. Right click connects in SQL developer, click new connection.
4. Give a valid connection name
5. User Name: “sys as sysdba“ or sys
6. Password: given during database creation.
7. Click Test
8. Click connect

-------------------------------------------------------------------------------------

**Create Table:**

1. Tables > New Table
2. Give Table Name.
3. Add columns(Column Name, Data Type, size)

**Add Data from excel file:**

1. Right Click Table > import Data
2. Select excel file
3. Follow the dialog box…

**Generate insert statement for table:**

1. Right Click Table > Export
2. Select format – insert
3. Give location for file to save: Ex: E:\MockData\export.sql
4. Next…

-------------------------------------------------------------------------------------**SQL\*Plus:**

Type run in window search tab > Run SQL command line

Setup:

1. Connect to database using command:- connect <username>

Ex: connect sys as sysdba

1. Enter password:
2. Connected.

SQL> SELECT \* FROM USER\_TABLE

2 /

DATA\_ID USER\_ID ADDRESS PHONE\_NO DATE\_OF\_B

---------- ---------- -------------------- ---------- ---------

70001 10008 4193 Amet St. 2109332447 02-FEB-92

70002 10001 P.O. Box 468, 1608 3507544482 13-FEB-83

-------------------------------------------------------------------------------------

**Format SQL\*Plus output:**

SQL\*plus will assign complete space for columns: ex, Address with VARCHAR (350) will get 350 character space even though maximum usage be 50 characters

SQL> column ADDRESS FORMAT A50

-------------------------------------------------------------------------------------

**E R Diagram:**

File → Data Modeler → Import → Data Dictionary → select DB connection (add if none) → Next → last few steps intuitive.

-------------------------------------------------------------------------------------

**JDBC, query execution:**

* Need ojdbc jar file in build path.
* DriverManager.*getConnection*("jdbc:oracle:thin:@SYSTEMNAME:1521:xe",

"USERNAME", "PASSWORD");

package com.data;

import java.sql.\*;

public class Database {

public static void main(String[] args) {

try {

Connection con = null;

Class.*forName*("oracle.jdbc.driver.OracleDriver");

con = DriverManager.*getConnection*(

"jdbc:oracle:thin:@localhost:1521:xe",

"sys as sysdba", "PASSWORD");

Statement s = con.createStatement();

s.execute("Insert into MOCK\_DATA (FIRST\_NAME) values ('Gray'))");

s.close();

con.close();

} catch (Exception e) {

e.printStackTrace();

}

}

}

# [**How to change default 8080 port of Oracle XE 11g**](http://rajarshi-king.blogspot.com/2012/02/how-to-change-default-8080-port-of.html)

Sometime we need to change the port of Oracle XE from 8080 to some other as 8080 or 80 could be used by your webserver. Follow the below steps to change the port:

1. Click on "Run SQL Command Line"

2. connect system@xe

enter password

3.

SQL> begin

2 dbms\_xdb.sethttpport('9090');

3 end;

4 /

If you want to see the port after change use the following command:

SQL> select dbms\_xdb.gethttpport from dual;