

Java Programming

6-1: JDBC Introduction

Practice Activities

Lesson Objectives:

- Describe the JDBC
- Introduce Oracle JDBC Driver
- Outline the steps in JDBC programming
- Describe the JDBC Statement

Vocabulary:

Identify the vocabulary word for each definition below.

	The JDBC-ODBC Bridge plus ODBC Driver
	The interface used for executing a static SQL statement and returning the results it produces
	The class which manages a set of JDBC Driver
	The interface which is able to provide information for the tables, stored procedures and so on.

Try It/Solve It:

1. Set the JDBC runtime environment:

```
ORACLE_HOME/jdbc/lib/ojdbc8.jar  
ORACLE_HOME/lib/orai18n.jar
```

2. Identify the structure of the database tables that you will be working with.

- a) Open SQLPlus and log in using the orcluser account.
- b) Identify the structure of each of the tables by running a DESCRIBE command on the table. Identify column names and data types.

The syntax for a DESCRIBE command is:

```
DESCRIBE tablename;
```

Given Tables:

- job_grades;
- job_history;
- employees;

- jobs;
- departments;
- locations;
- countries;
- regions;

3. Write a java application to display the information in the JOBS table to the console.
The application should print out the JOB ID, JOB TITLE, MIN SALARY and MAX SALARY columns.