

# **Java Database Connectivity (JDBC)**

## **Source Code of Oracle Driver:-**

```
package Oracle;
import java.sql.*;
public class CheckConnection {
    public static void main(String[] args) {
        try {
            Class.forName("oracle.jdbc.driver.OracleDriver");

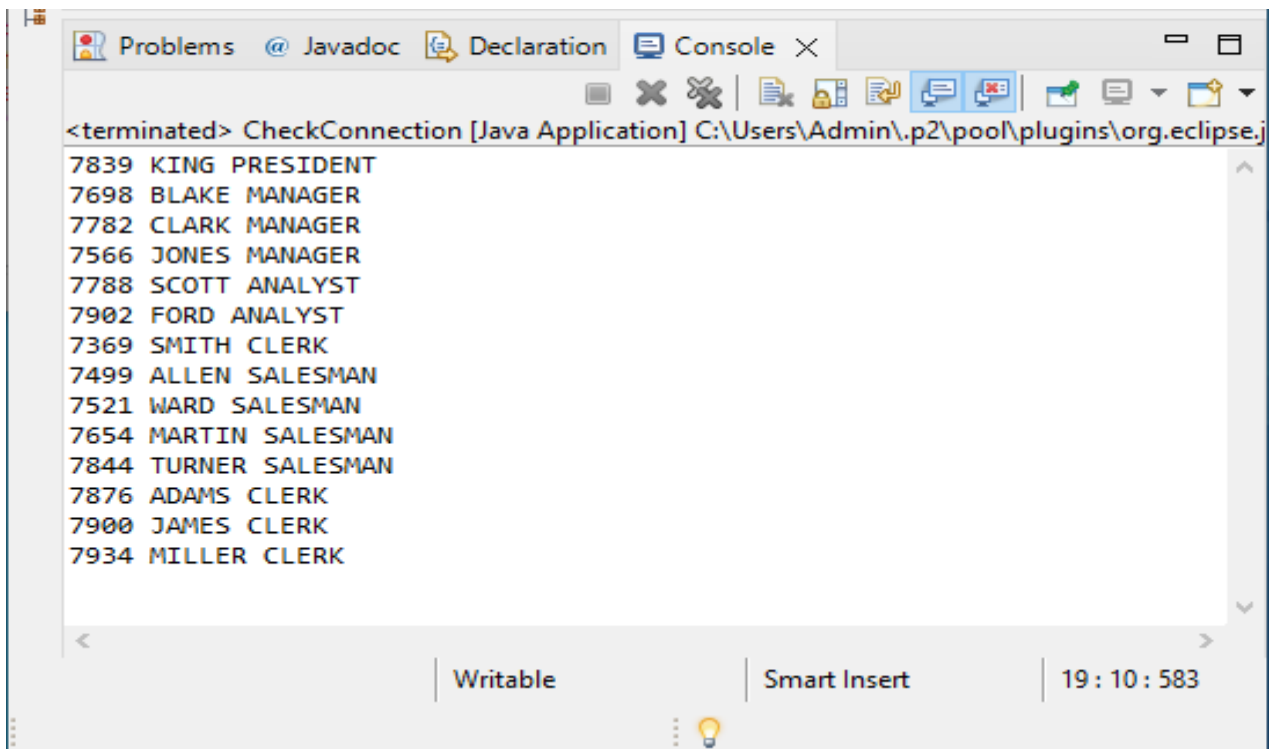
            Connection con =
                DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe",
                                           "system", "manthan54");

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

## **Output :-**



The screenshot shows the Eclipse IDE's Console window. The title bar indicates the file path: C:\Users\Admin\.p2\pool\plugins\org.eclipse.j... The console output shows the execution of the CheckConnection program, which successfully connects to the Oracle database and prints the details of all employees in the emp table. The output is as follows:

```
<terminated> CheckConnection [Java Application] C:\Users\Admin\.p2\pool\plugins\org.eclipse.j
7839 KING PRESIDENT
7698 BLAKE MANAGER
7782 CLARK MANAGER
7566 JONES MANAGER
7788 SCOTT ANALYST
7902 FORD ANALYST
7369 SMITH CLERK
7499 ALLEN SALESMAN
7521 WARD SALESMAN
7654 MARTIN SALESMAN
7844 TURNER SALESMAN
7876 ADAMS CLERK
7900 JAMES CLERK
7934 MILLER CLERK
```

The console window also shows the status 'Writable' and 'Smart Insert' at the bottom, along with the time '19:10:583'.

# **Java Database Connectivity (JDBC)**

## **Source Code of MySql Driver:-**

```
package MySql;
import java.sql.*;
public class CheckConnection {
    public static void main(String[] args) {
        try {
            Class.forName("com.mysql.jdbc.Driver");

            Connection con =
                DriverManager.getConnection("jdbc:mysql://localhost:3306/MMDB",
                                           "root", "");

            Statement stmt = con.createStatement();

            ResultSet rs = stmt.executeQuery("select * from file_storage");

            while(rs.next()) {
                System.out.println(rs.getInt(1) + " " + rs.getString(2));
            }
        } catch (Exception e) {
            System.out.println(e);
        }
    }
}
```

## **Output :-**

