



```
1 package com.oracle.hospital_db_select_data;
2 import java.sql.Connection;
3 import java.sql.DriverManager;
4 import java.sql.SQLException;
5 import java.sql.Statement;
6 import java.util.Date;
7 import java.sql.ResultSet;
8
9 public class Java_Hospital_DB_Select_Data {
10
11     public static void main(String[] args) throws SQLException {
12
13         Connection conn = null;
14         Statement stmt = null;
15         String query = "SELECT * FROM transactions";
16
17         try {
18             Class.forName("oracle.jdbc.driver.OracleDriver");
19             conn = DriverManager.getConnection("jdbc:oracle:thin:////localhost:1521/ plsqlpdb", " ", " ");
20             System.out.println("Connected to Oracle 19c | PL/SQL database successfully.");
21             stmt = conn.createStatement();
22
23             ResultSet rset = stmt.executeQuery(query);
24
25             while(rset.next()) {
26
27                 int transID = rset.getInt("TRANS_ID");
28                 int hospID = rset.getInt("HOSP_ID");
29                 int diagID = rset.getInt("DIAG_ID");
30                 int docID = rset.getInt("DOC_ID");
31                 int patID = rset.getInt("PAT_ID");
32                 int prodID = rset.getInt("PROD_ID");
33                 int prodQTY = rset.getInt("PROD_QTY");
34                 float prodPrice = rset.getFloat("PROD_PRICE");
35                 float transAmt = rset.getFloat("TRANS_AMT");
36                 String transType = rset.getString("TRANS_TYPE");
37                 Date date = rset.getDate("TRANS_DATE");
38
39                 System.out.print("TRANS_ID: " + transID);
40                 System.out.print(", HOSP_ID: " + hospID);
41                 System.out.print(", DIAG_ID: " + diagID);
42                 System.out.print(", DOC_ID: " + docID);
43                 System.out.print(", PAT_ID: " + patID);
44                 System.out.print(", PROD_ID: " + prodID);
45                 System.out.print(", PROD_QTY: " + prodQTY);
46                 System.out.print(", PROD_PRICE: " + prodPrice);
47                 System.out.print(", TRANS_AMT: " + transAmt);
48                 System.out.print(", TRANS_TYPE: " + transType);
49                 System.out.print(", TRANS_DATE: " + date);
50
51             }
52
53             } catch (ClassNotFoundException cnfe) {
54                 cnfe.printStackTrace();
55             } catch (SQLException sqle) {
56                 sqle.printStackTrace();
57             } catch (Exception ex) {
58                 ex.printStackTrace();
59             } finally {
60                 try {
61                     if(stmt != null) {
62                         stmt.close();
63                     }
64                 } catch (SQLException sqle) {
65                     sqle.printStackTrace();
66                 }
67                 try {
68                     if (conn != null) {
69                         conn.close();
70                     }
71                 }
72             }
73         }
74     }
75 }
```

Connected to Oracle 19c | PL/SQL database successfully.

TRANS_ID	HOSP_ID	DIAG_ID	DOC_ID	PAT_ID	PROD_ID	PROD_QTY	PROD_PRICE	TRANS_AMT	TRANS_TYPE	TRANS_DATE
60006789	10001234	40004567	30003456	20002345	50005678	2	16.0	32.0	Credit Card	2021-07-18
60006790	10001235	40004568	30003457	20002346	50005679	2	35.0	70.0	Credit Card	2021-07-18
60006791	10001236	40004569	30003458	20002347	50005680	2	30.0	60.0	Credit Card	2021-07-18
60006792	10001237	40004570	30003459	20002348	50005681	2	45.0	90.0	Credit Card	2021-07-18
60006793	10001238	40004571	30003460	20002349	50005682	2	17.0	34.0	Credit Card	2021-07-18
60006794	10001239	40004572	30003461	20002350	50005683	3	35.0	105.0	Credit Card	2021-07-18
60006795	10001236	40004569	30003458	20002347	50005680	3	30.0	90.0	Credit Card	2021-07-18
60006797	10001237	40004570	30003459	20002348	50005681	3	45.0	135.0	Credit Card	2021-07-18
60006798	10001238	40004571	30003460	20002349	50005682	3	17.0	51.0	Credit Card	2021-07-18
60006794	10001234	40004567	30003456	20002345	50005678	3	16.0	48.0	Credit Card	2021-07-18