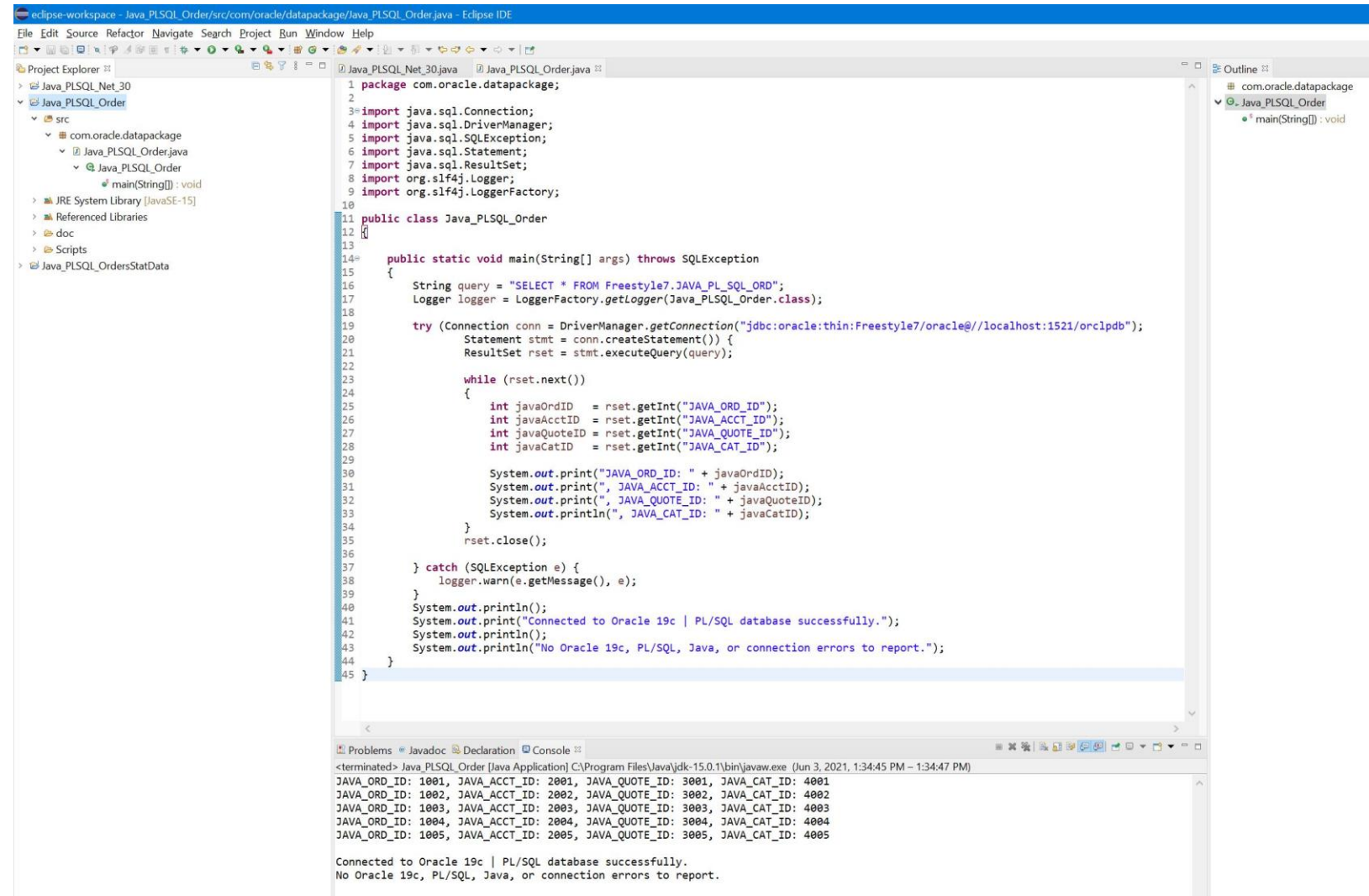


```
1 package com.oracle.net30package;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.SQLException;
6 import java.sql.Types;
7 import java.sql.CallableStatement;
8 import java.text.NumberFormat;
9 import org.slf4j.Logger;
10 import org.slf4j.LoggerFactory;
11
12 public class Java_PLSQL_Net_30
13 {
14     public static void main(String[] args) throws SQLException
15     {
16         Logger logger = LoggerFactory.getLogger(Java_PLSQL_Net_30.class);
17
18         try (Connection conn = DriverManager.getConnection("jdbc:oracle:thin:Freestyle7/oracle@//localhost:1521/orclpdb");
19              CallableStatement cstmt = conn.prepareCall("{? = call NET_30_AVAIL_CRED()}");) {
20             cstmt.registerOutParameter(1, Types.INTEGER);
21             cstmt.setInt(1, 10000001);
22             cstmt.execute();
23
24             NumberFormat defaultFormat = NumberFormat.getCurrencyInstance();
25             System.out.println("Net 30 Available Credit for Account ID 10000001: " + defaultFormat.format(cstmt.getInt(1)));
26
27         } catch (SQLException e) {
28             logger.warn(e.getMessage(), e);
29         }
30     }
31 }
```

<terminated> Java_PLSQL_Net_30 [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (Jun 3, 2021, 2:30:25 PM – 2:30:26 PM)
Net 30 Available Credit for Account ID 10000001: \$10,000.00



The screenshot displays the Eclipse IDE interface. The Project Explorer on the left shows a project named 'Java_PLSQL_Order' with a source folder 'src' containing a package 'com.oracle.datapackage' and a class 'Java_PLSQL_Order'. The main editor shows the source code of 'Java_PLSQL_Order.java'. The code imports necessary JDBC and logging classes, establishes a connection to an Oracle database, and executes a query to retrieve data from the 'Freestyle7.JAVA_PL_SQL_ORD' table. The results are printed to the console. The Outline view on the right shows the class structure. The Console view at the bottom shows the execution output, including the connection status and the retrieved data rows.

```
1 package com.oracle.datapackage;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.SQLException;
6 import java.sql.Statement;
7 import java.sql.ResultSet;
8 import org.slf4j.Logger;
9 import org.slf4j.LoggerFactory;
10
11 public class Java_PLSQL_Order
12 {
13
14     public static void main(String[] args) throws SQLException
15     {
16         String query = "SELECT * FROM Freestyle7.JAVA_PL_SQL_ORD";
17         Logger logger = LoggerFactory.getLogger(Java_PLSQL_Order.class);
18
19         try (Connection conn = DriverManager.getConnection("jdbc:oracle:thin:Freestyle7/oracle@//localhost:1521/orclpdb");
20             Statement stmt = conn.createStatement()) {
21             ResultSet rset = stmt.executeQuery(query);
22
23             while (rset.next())
24             {
25                 int javaOrdID = rset.getInt("JAVA_ORD_ID");
26                 int javaAcctID = rset.getInt("JAVA_ACCT_ID");
27                 int javaQuoteID = rset.getInt("JAVA_QUOTE_ID");
28                 int javaCatID = rset.getInt("JAVA_CAT_ID");
29
30                 System.out.print("JAVA_ORD_ID: " + javaOrdID);
31                 System.out.print(", JAVA_ACCT_ID: " + javaAcctID);
32                 System.out.print(", JAVA_QUOTE_ID: " + javaQuoteID);
33                 System.out.println(", JAVA_CAT_ID: " + javaCatID);
34             }
35             rset.close();
36
37         } catch (SQLException e) {
38             logger.warn(e.getMessage(), e);
39         }
40         System.out.println();
41         System.out.print("Connected to Oracle 19c | PL/SQL database successfully.");
42         System.out.println();
43         System.out.println("No Oracle 19c, PL/SQL, Java, or connection errors to report.");
44     }
45 }
```

Console Output:

```
<terminated> Java_PLSQL_Order [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (Jun 3, 2021, 1:34:45 PM - 1:34:47 PM)
JAVA_ORD_ID: 1001, JAVA_ACCT_ID: 2001, JAVA_QUOTE_ID: 3001, JAVA_CAT_ID: 4001
JAVA_ORD_ID: 1002, JAVA_ACCT_ID: 2002, JAVA_QUOTE_ID: 3002, JAVA_CAT_ID: 4002
JAVA_ORD_ID: 1003, JAVA_ACCT_ID: 2003, JAVA_QUOTE_ID: 3003, JAVA_CAT_ID: 4003
JAVA_ORD_ID: 1004, JAVA_ACCT_ID: 2004, JAVA_QUOTE_ID: 3004, JAVA_CAT_ID: 4004
JAVA_ORD_ID: 1005, JAVA_ACCT_ID: 2005, JAVA_QUOTE_ID: 3005, JAVA_CAT_ID: 4005

Connected to Oracle 19c | PL/SQL database successfully.
No Oracle 19c, PL/SQL, Java, or connection errors to report.
```

The screenshot displays the Eclipse IDE with the following components:

- Project Explorer:** Shows the project structure with the package `com.oracle.ordersstatdata` and the class `Java_PLSQL_OrdersStatData`.
- Code Editor:** Contains the source code for `Java_PLSQL_OrdersStatData.java`. The code defines a package, imports `java.sql.Connection`, and implements a `main` method that connects to an Oracle database, calls the `SP_ORDERS_STAT_DATA` stored procedure, and prints the results.
- Outline:** Shows the class `Java_PLSQL_OrdersStatData` and its `main` method.
- Console:** Displays the output of the program, showing the mean, median, and standard deviation values.

```
1 package com.oracle.ordersstatdata;
2
3 import java.sql.Connection;
4
5
6
7
8
9
10
11 public class Java_PLSQL_OrdersStatData
12 {
13     private Java_PLSQL_OrdersStatData() {
14     }
15     public static void main(String[] args) throws SQLException
16     {
17         Logger logger = LoggerFactory.getLogger(Java_PLSQL_OrdersStatData.class);
18
19         try (Connection conn = DriverManager.getConnection("jdbc:oracle:thin:Freestyle7/oracle@//localhost:1521/orclpdb");
20             CallableStatement cstmt = conn.prepareCall("{call SP_ORDERS_STAT_DATA(?,?,?)}");) {
21
22             cstmt.registerOutParameter(1, Types.FLOAT);
23             cstmt.registerOutParameter(2, Types.FLOAT);
24             cstmt.registerOutParameter(3, Types.FLOAT);
25             cstmt.execute();
26
27             cstmt.getFloat(1);
28             cstmt.getFloat(2);
29             cstmt.getFloat(3);
30
31             System.out.printf("Mean Value: $%,.4f%n ", cstmt.getFloat(1));
32             System.out.printf("Median Value: $%,.4f%n ", cstmt.getFloat(2));
33             System.out.printf("Std. Dev. Value: $%,.4f%n ", cstmt.getFloat(3));
34
35         } catch (SQLException e) {
36             logger.warn(e.getMessage(), e);
37         }
38     }
39 }
```

Console Output:

```
<terminated> Java_PLSQL_OrdersStatData [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (Jun 3, 2021, 2:48:10 PM - 2:48:12 PM)
Mean Value: $70,083.3359
Median Value: $19,437.5000
Std. Dev. Value: $119,390.1641
```