

JAVA EXAMPLES - USE COLUMN METHODS

http://www.tutorialspoint.com/javaexamples/jdbc_column_methods.htm

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Problem Description:

How to use different methods of column to Count no of columns, get column name, get column type etc ?

Solution:

Following example uses getColumnCount, getColumnName, getColumnType, getColumnDisplaySize methods to get the no of columns, name of the column or type of the column in the table.

```
import java.sql.*;

public class jdbcConn {
    public static void main(String[] args) throws Exception{
        Class.forName("org.apache.derby.jdbc.ClientDriver");
        Connection con = DriverManager.getConnection
            ("jdbc:derby://localhost:1527/testDb", "name", "pass");
        Statement stmt = con.createStatement();
        String query = "select * from emp order by name";
        ResultSet rs = stmt.executeQuery(query);
        ResultSetMetaData rsmd = rs.getMetaData();
        System.out.println("no of columns in the table= "+
            rsmd.getColumnCount());
        System.out.println("Name of the first column "+
            rsmd.getColumnName(1));
        System.out.println("Type of the second column "+
            rsmd.getColumnTypeName(2));
        System.out.println("No of characters in 3rd column "+
            rsmd.getColumnDisplaySize(2));
    }
}
```

Result:

The above code sample will produce the following result. The result may vary.

```
no of columns in the table= 3
Name of the first columnID
Type of the second columnVARCHAR
No of characters in 3rd column20
```