JAVA EXAMPLES - CONNECT TO A DATABASE

Problem Description:

How to connect to a database using JDBC? Assume that database name is testDb and it has table named employee which has 2 records.

Solution:

Following example uses getConnection, createStatement & executeQuery methods to connect to a database & execute queries.

```java
import java.sql.*;

public class jdbcConn {
    public static void main(String[] args) {
        try {
            Class.forName("org.apache.derby.jdbc.ClientDriver");
        }
        catch(ClassNotFoundException e) {
            System.out.println("Class not found "+ e);
        }
        System.out.println("JDBC Class found");
        int no_of_rows = 0;
        try {
            Connection con = DriverManager.getConnection
            ("jdbc:derby://localhost:1527/testDb","username",
            "password");
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery
            ("SELECT * FROM employee");
            while (rs.next()) {
                no_of_rows++;
            }
            System.out.println("There are "+ no_of_rows
            + " record in the table");
        }
        catch(SQLException e){
            System.out.println("SQL exception occured" + e);
        }
    }
}
```

Result:

The above code sample will produce the following result.The result may vary. You will get ClassNotfound exception if your JDBC driver is not installed properly.

```
JDBC Class found
There are 2 record in the table
```