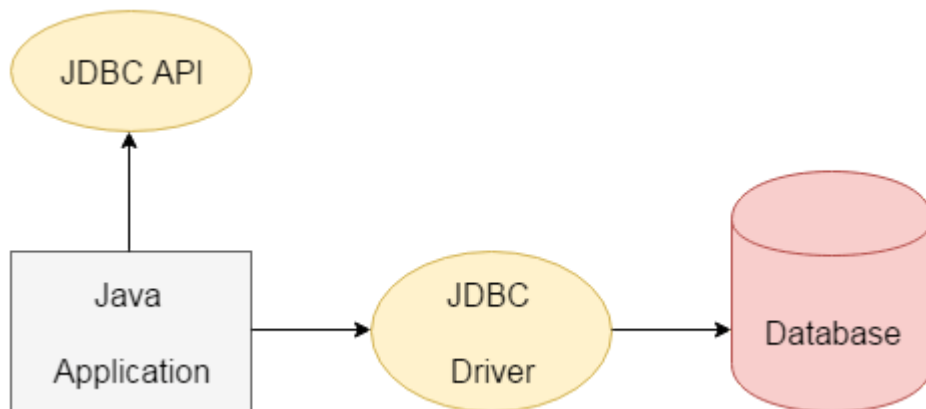# Java JDBC Tutorial

Java JDBC is a java API to connect and execute query with the database. JDBC API uses jdbc drivers to connect with the database.

Why use JDBC

Before JDBC, ODBC API was the database API to connect and execute query with the database. But, ODBC API uses ODBC driver which is written in C language (i.e. platform dependent and unsecured). That is why Java has defined its own API (JDBC API) that uses JDBC drivers (written in Java language).

Do You Know

- How to connect Java application with Oracle and Mysql database using JDBC?

- What is the difference between Statement and PreparedStatement interface?

- How to print total numbers of tables and views of a database using JDBC ?

- How to store and retrieve images from Oracle database using JDBC?

- How to store and retrieve files from Oracle database using JDBC?

What is API

API (Application programming interface) is a document that contains description of all the features of a product or software. It represents classes and interfaces that software programs can follow to communicate with each other. An API can be created for applications, libraries, operating systems, etc

Topics in Java JDBC Tutorial

2) JDBC Drivers

In this JDBC tutorial, we will learn 4 types of JDBC drivers, their advantages and disadvantages.

3) 5 Steps to connect to the database

In this JDBC tutorial, we will see the 5 steps to connect to the database in java using JDBC.

4) Connectivity with Oracle using JDBC

In this JDBC tutorial, we will connect a simple java program with the oracle database.

5) Connectivity with MySQL using JDBC

In this JDBC tutorial, we will connect a simple java program with the mysql database.

6) Connectivity with Access without DSN

Let's connect java application with access database with and without DSN.

7) DriverManager class

In this JDBC tutorial, we will learn what does the DriverManager class and what are its methods.

8) Connection interface

In this JDBC tutorial, we will learn what is Connection interface and what are its methods.

9) Statement interface

In this JDBC tutorial, we will learn what is Statement interface and what are its methods.

10) ResultSet interface

In this JDBC tutorial, we will learn what is ResultSet interface and what are its methods. Moreover, we will learn how we can make the ResultSet scrollable.

11) PreparedStatement Interface

In this JDBC tutorial, we will learn what is benefit of PreparedStatement over Statement interface. We will see examples to insert, update or delete records using the PreparedStatement interface.

12) ResultSetMetaData interface

In this JDBC tutorial, we will learn how we can get the metadata of a table.

13) DatabaseMetaData interface

In this JDBC tutorial, we will learn how we can get the metadata of a database.

14) Storing image in Oracle

Let's learn how to store image in the oracle database using JDBC.

15) Retrieving image from Oracle

Let's see the simple example to retrieve image from the oracle database using JDBC.

16) Storing file in Oracle

Let's see the simple example to store file in the oracle database using JDBC.

17) Retrieving file from Oracle

Let's see the simple example to retrieve file from the oracle database using JDBC.

18) CallableStatement

Let's see the code to call stored procedures and functions using CallableStatement.

19) Transaction Management using JDBC

Let's see the simple example to use transaction management using JDBC.

20) Batch Statement using JDBC

Let's see the code to execute batch of queries.

21) JDBC RowSet

Let's see the working of new JDBC RowSet interface.

← prev   next →

Please Share

Learn Latest Tutorials

JPA	JavaFX	Tika
Kotlin	OS	.Net