

## Introduction: to JDBC:

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JDBC™ is a specification from Sun Microsystems that provides a standard abstraction for java applications to communicate with different database. It is used to write the program required to access the database. JDBC, along with drivers, is capable of accessing database and spreadsheets.

It is an platform-independent interface between a relational database and java programming language which allows java programs to execute SQL statements, retrieve results etc.

### Characteristics of JDBC

- i) Supports wide level of portability.
- ii) Provides java interface that are compatible with java applications. These providers are also responsible for providing driver services.
- iii) Provides higher level API for application programmers.
- iv) Provides JDBC API for java applications.

### Components of JDBC:

JDBC has four main components with which it communicate with database. They are:-

#### (i) The JDBC API:

It provides the various methods

and interfaces for database and application communication.