

③
The next layer, DriverManager, plays an important role in JDBC architecture. It uses some database specific drivers to effectively connect enterprise applications to database.

The JDBC driver supports the data sources such as Oracle, and SQL has to be added in Java application for JDBC support, which can be done dynamically in the run time. The dynamic plugging of the JDBC driver ensures that the Java application is vendor independent.

JDBC Drivers:

There are different types of the JDBC drivers. They are:-

i) Type-1 Driver:

The Type-1 Driver acts as a bridge between JDBC and other database connectivity mechanisms, such as ODBC. This helps the Java programmers to use JDBC and develop Java applications to communicate with existing data source. The driver converts the JDBC calls into ODBC calls and redirects the request to ODBC driver. It is included in the package `sun.jdbc.odbc`.

Eg: Sun JDBC-ODBC drivers.

The figure below shows the architecture of