



fig: Architecture of JDBC Type-1

The SP API refers to the API used to make Native DBMS calls. Here the following steps are involved in establishing connection between Java application and data source:-

- (i) The JDBC makes call to JDBC-ODBC bridge to access a data source.
- (ii) It converts the JDBC call to equivalent ODBC call to ODBC driver.
- (iii) The ODBC driver completes the request and sends request to JDBC-ODBC bridge driver.
- (iv) The JDBC-ODBC converts the response to JDBC standards and display the result to the requesting Java application.

### Advantages:

- (i) Does not require any driver implementation