



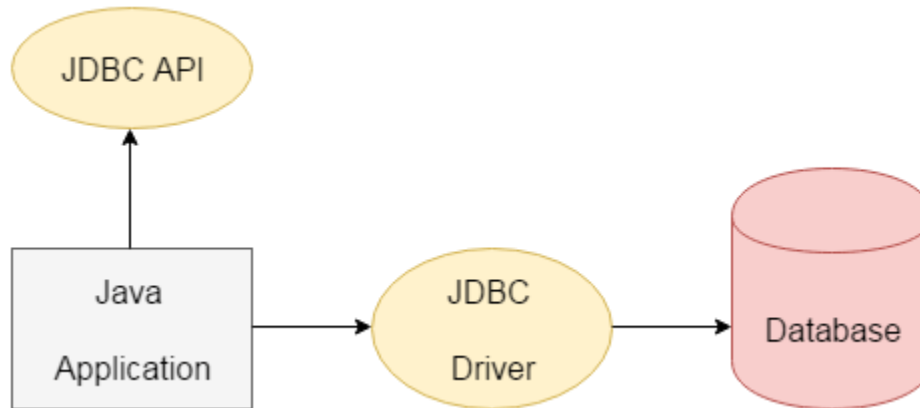
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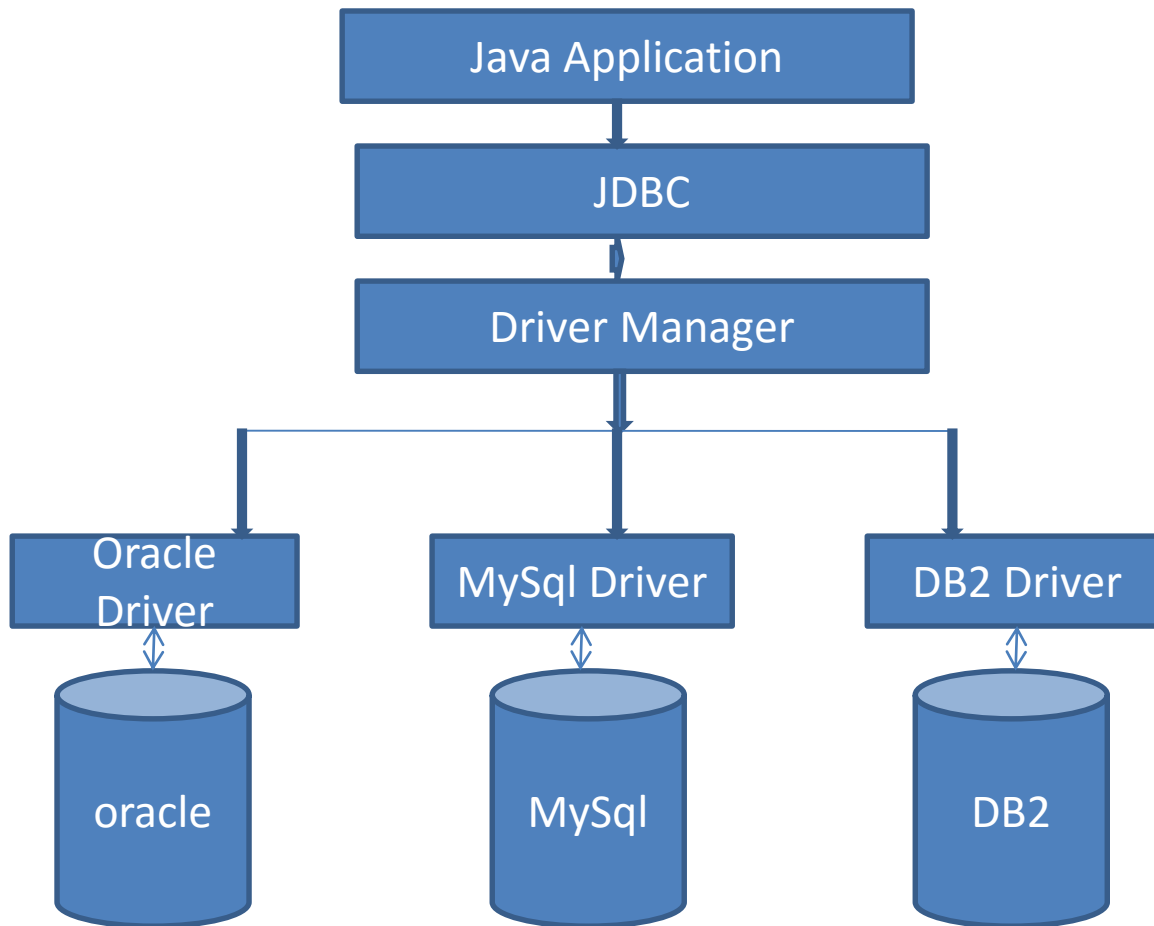
Java Database Connectivity

1. JDBC (Java Database Connectivity) is the Java API that connects a Java application to a database, issuing queries and commands, and handling result sets obtained from the database.



JDBC API contains classes and interfaces used for developing database drivers by the database vendors

JDBC is a standard which every database vendors must have to follow



1. All the required classes and Interfaces are in SQL package. So java.sql package is required to import.
2. DriverManager is a important class in the sql package responsible for registering and unregistering the database driver
3. Driver software is a collection of implementing classes and interfaces for the JDBC api develop by the database vendors
4. In a driver software there is a class which inisiate the whole driver software and it is also implementing class of Driver interface of the sql package. This class is called the driver class

JDBC API uses JDBC drivers to connect with the database.

There are mainly four types of JDBC drivers:

1. JDBC-ODBC Bridge Driver or Bridge Driver: requires ODBC
2. Native Driver: requires database specific native libraries
3. Network Protocol Driver or Middleware Driver: required middleware server
4. Thin Drive or Pure Driver