**2. JDBC Driver Types**

**• Theory:**

**1.Overview of JDBC Driver Types: ♣ Type 1: JDBC-ODBC Bridge Driver ♣ Type 2: Native-API Driver ♣ Type 3: Network Protocol Driver ♣ Type 4: Thin Driver**

**1. Type 1: JDBC-ODBC Bridge Driver**

* This driver translates JDBC calls into ODBC (Open Database Connectivity) calls. It uses the ODBC driver to connect to the database.

**2. Type 2: Native-API Driver**

* This driver converts JDBC calls into database-specific native calls using the database's native API.

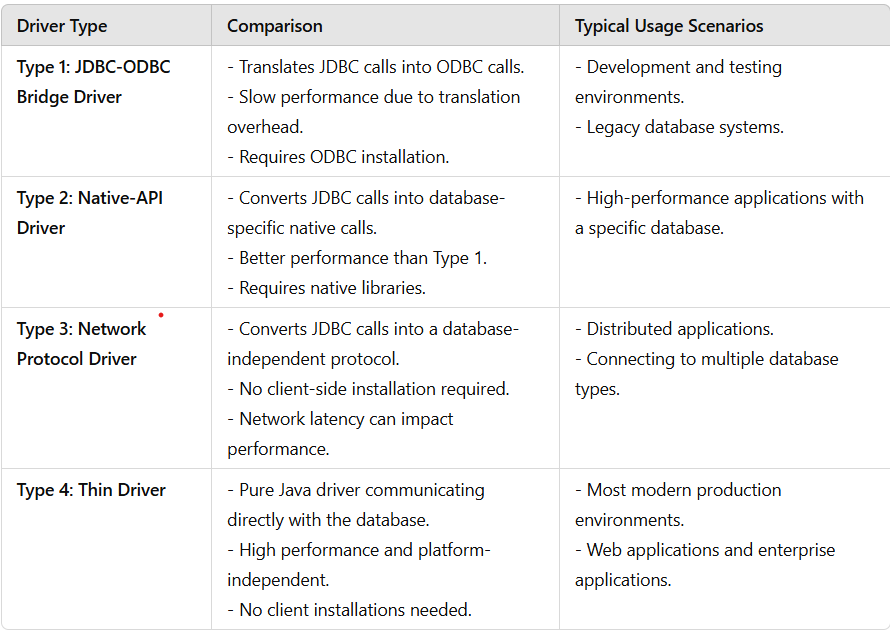
**3. Type 3: Network Protocol Driver**

* This driver converts JDBC calls into a database-independent protocol that is then translated to the database-specific protocol by a server.

**4. Type 4: Thin Driver**

* This driver is a pure Java driver that communicates directly with the database using its native protocol. It does not require any native libraries

**2.Comparison and Usage of Each Driver Type:-**

****