**2. JDBC Driver Types**

**• Theory:**

* **Overview of JDBC Driver Types:**

**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.

**Type 2: Native-API Driver**

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

**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.

**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

|  |
| --- |
| D:\TOPS Technologies\Java\Java Module 2\types-of-jdbc-drivers.png |

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

