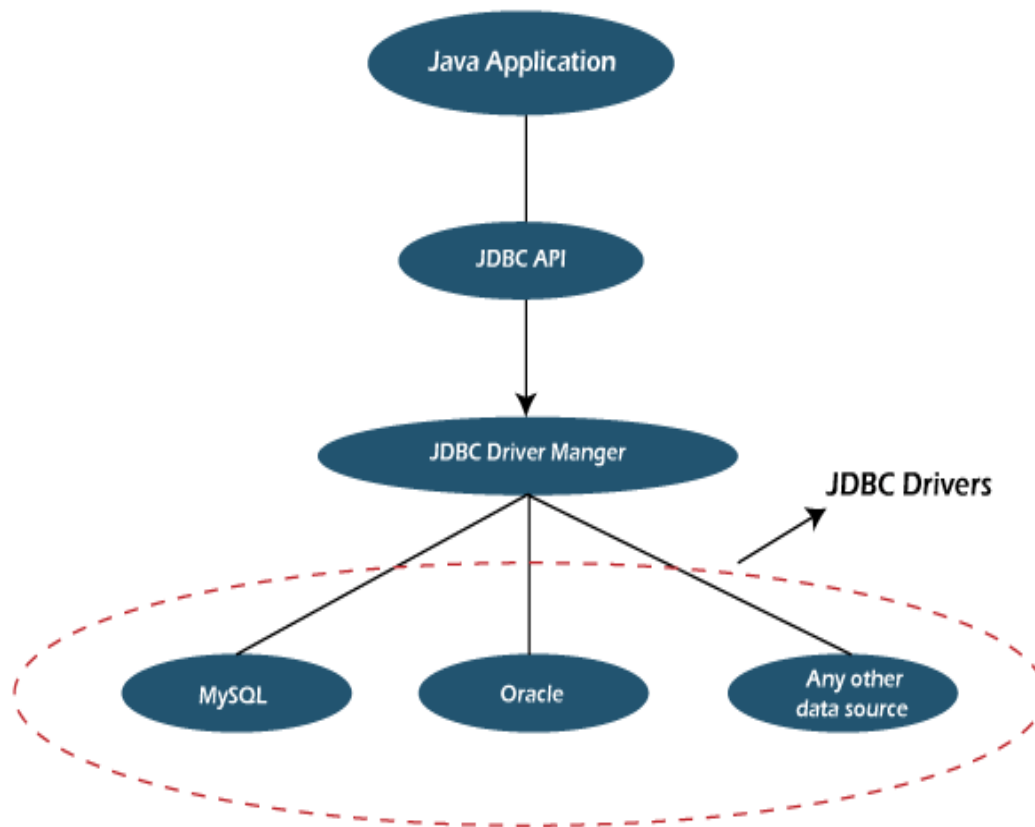# How to perform JDBC (Java Database Connectivity)?

It is an API (Application Programming Interface) that is used to connect and execute the queries with the respective database.

Requirements to perform JDBC :-

1. JDK
2. Eclipse IDE
3. Oracle
4. .jar file

Step-1

- Class forname()
- Connection interface

```java
*JDBC_Connection.java ×
 1⊖ import java.sql.Connection;
 2  import java.sql.DriverManager;
 3
 4  public class JDBC_Connection {
 5
 6⊖     public static void main(String[] args) {
 7
 8          try {
 9              Class.forName("oracle.jdbc.driver.OracleDriver");
10              Connection con = DriverManager.getConnection("jdbc:oracle:thin@localhost:1521:xe","system","test1234");
11              //"javaAPI:database:driver:our_own_system:port_number:oracle_service","user_name","password"
12          }
13          catch()
14
15
16      }
17
18  }
19
```

Step-2

Create table in database

- Statement interface
- executeUpdate()

Step-3

Insert record in database

- PreparedStatement interface – prepareStatement();

Step-4

Select record in database

- ResultSet interface
- executeQuery();

Step-5

Update record in database

- Statement – executeUpdate()

Step-6

Delete record in database

- Statement – executeUpdate()