JDBC: Java Database Connectivity .

4 Steps in JDBC

1. Load Drivers (Jars)

Java want to communicate with DB it can’t directly interact with it need a medium JDBC ,jars - oracle , mysql, postgresql,derby etc.

1. Create Connection:
2. Execute statement

Insert

Update

Delete

Select: to retrieve the data from db.

1. Retrieve the result / perform the action and finally close the connection.

Statement is not used for user value so use Prepare Statement is used for add values .

Error and Exception

Error: there is no turnaround solution variable.

Exception: can be handled programmatically.

2 option to handle

1. Run time exception that can be available on the running application.

Checked Exception

User Defined Exception

Ex: IOException, SqlException.

Unchecked Exception

Ex: Arithmetic Exception, ArraryIndexOutofBound , NullPointerException.

Custom Exception

User Defined Exception that is not previously available in the jvm or compiler.

Predefined Exception