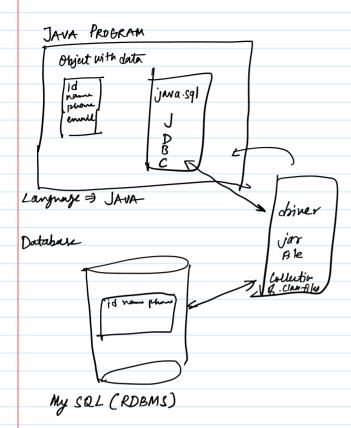
## JDBC Connectivity Friday, March 25, 2022 5:44 PM



In JAVA Le the late is in Object from Les In DB; it is in table from

Language -> SQL

\* DB connectivity Steps:

- 1. Link the jar file in projects,
- 2. Create connection to DB
- 3. Execute SQL Statements / Instructions.
- 4. Close the connection.

My SQL DB - stores DB in tables

1. Create table in MySQL

+ austomer Epublic int cid; 7 7 TANA

```
of customer
        Epublic int cid, JAVA public String name; JAVA public String email ?
                             Making Unique
    Create table customer
                 cid int primary auto-incement,
                 name varchar (256),
                email rarchar (286)
   Customer cust = new Customer (1, "John"), "9998950); "abi@example.con")
    JAVA Object instrum ( Create customer object)
   insert into Customers values (1, John, "978 965", aux @cxmple in);
    SQL (Insut customer row records)
                               String in single quotes
* Install MySQL
       Install From Oracle
         Lafter installation
       mysal -u root -p
    Wernam = root
   password & Blank (nothing) (Trust hit enter)
    Show databases; To show the
   Create database doetdbase_name;
      To create DB
   use estore;
              Select DB where you want to
   Show tables:
```

```
Show tables;
* Now copy paste your created table
    describe tables;
   insert into Customer values (0, John, 19876543), (john@ example.com);
          insert entry into DB.
   Select * from Customu
          To view the whole
             ustome table.
* JDBC procedure:
    1. Load the JDBC MySQL dinu
    2. Download the Jay File,
    3. Link the jar file.
   4. Right Click on your Java project name and on Build path → Configur Build Path
             Loclick on Library
               Select Module Path
               Add External JAR'S
               Select JAR
                Apply & Close.
   5. Load the Driver Class from jar file in JAVA-
program using class for Name API.
          In your DB. java ( Database )
                                            check address in
                                                Morar chy
                 make Constructor
```

DB () & try { Class for Name ("com mysql. cj. jdbc. Driver"); (import jara sql. Dina 2 catch (Exception e) { System out println ("[OB) Driver Loaded"); System.out. prindln (6'Something Wend Woong")

2. Cocate Connection to DB.

we need:
url todb, usernane, pasquord.

Use connection API and obsider Manage API to cocate connection to DB.

(onnution connection; (import=) String url = "jdbe: mysql://localhost/estore"; String User = "Foot";
import
import
jua. sql. connection
String Panword = 66.77;

> connection = Drive Manger. get Connection (vrl, user)
> panuord) Connection Greated.

3. Execute SQL Statement

Create a String sol instruction and use the statement or prepared Statement API to perform execution.

\* In constructor at end of try write: stalement = connection.

Create make a method execute SQL statement: stocket,

public int execute SQL statement (String sql) { int result = 0;

```
As Close Connection

public void close Connection () {

ty {

Connection close ();

System out print ("[DB] SQL statement tremted"));

cutch (Exception e) }

Close Connection

public void close Connection () {

ty {

Connection close ();

System oud print ("[DB] Connection ();

System out print ("[DB] Connection ();
```