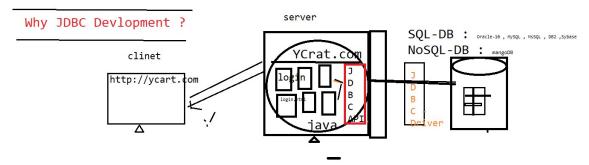
What is JDBC?

It's a J2AEE API, which is used to connect to any data base from the java code



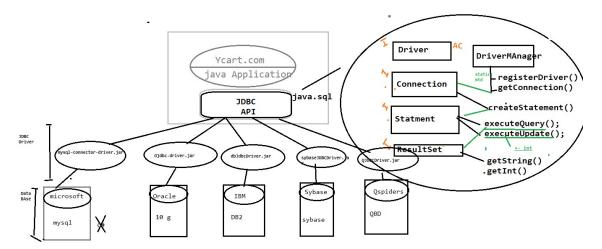
Every Application requried pysical database to store the data in the from table

Why JDBC in Devlopment?

JDBC helps java program to store / retrieve data from the physical database

In Real time, every application required data base to store/retrieve the user information in data base

What is JDBC Drivers & JDBC API?

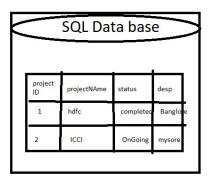


JDBC API :its an API's available in java.sql package , which is collection interfaces with abstract method & class , & it's database independent

JDBC Driver: its implementation class of JDBC API provided by data base vender. it's a db dependent

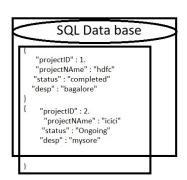
There are types of database

- 1. SQL Database
 - □ Data will be stored in form of table
 □ EG :mysql , MsSql , Oracle 11 g , DB2 ,



2. No SQL Database

⇒ Data will be stored in the from JSON format EG: Mango db, Casandra, NoSQL



projectinfo.json

Application

java Program

JDBC_NOSQL_API

MangoDbDriver

MAngo API

json

ison

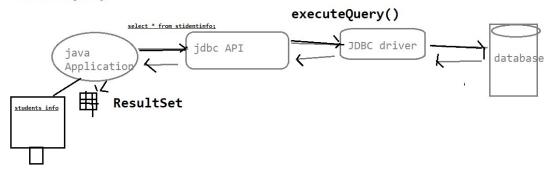
iso

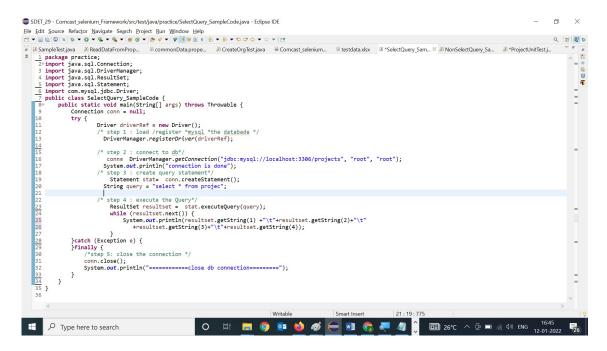
Dependency code to get MYSQL drivers

```
<dependency>
<groupId>mysql</groupId>
<artifactId>mysql-connector-java</artifactId>
<version>8.0.27</version>
</dependency>
```

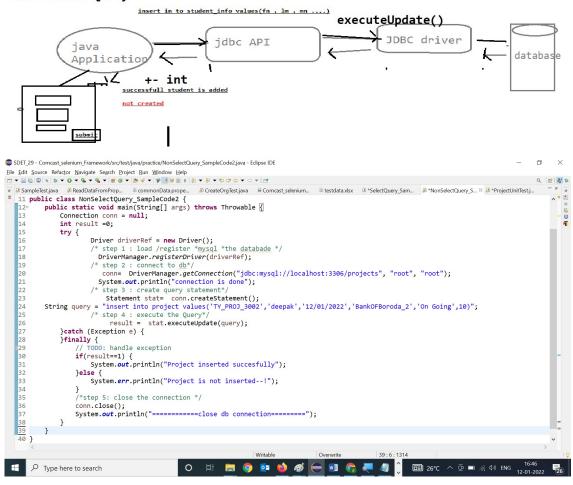
There are two types Query?

Select Query



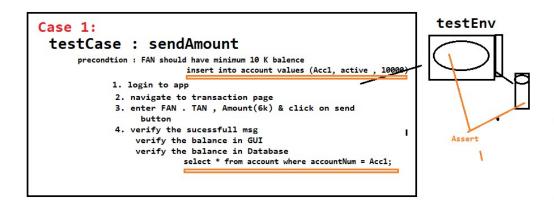


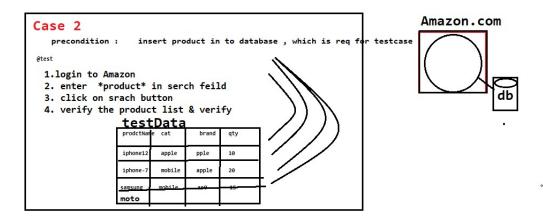
Non Select Qurey

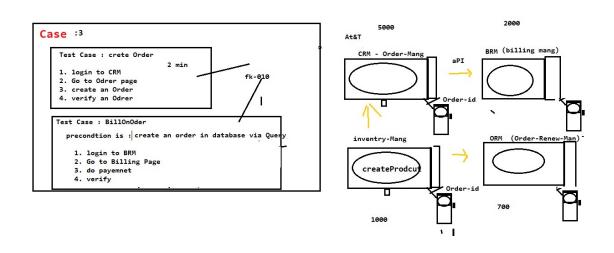


Why JDBC in Automation?

In Automation also required JDBC Connection , Most of the test case Preconditions , required few set of data in Database &also validation GUI WRT Database

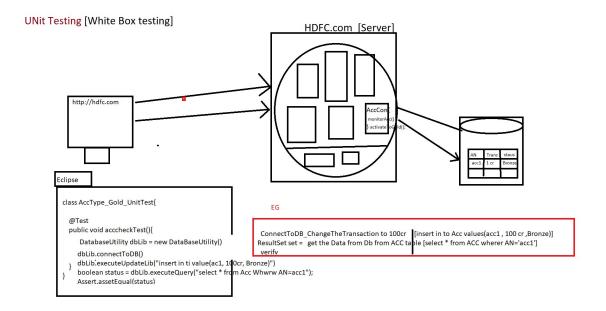






JDBC usage in UNIT Testing[White box Testing]

In case unit testing , [jdbc]database code is required to connect to database & get the data ten verify the data WRT to business logic



JDBC [Java Data base Connectivity]