

{ This → ends Java }

JEE → Servlet  
↓  
JDBC (Java Database Connectivity)

prog → strong knowledge of core Java ⇒ ✓

⇒

Data : Information about any real world Object eg: Car, Bike, Teacher, Student

eg: Foot ball player : jersey number, age, city.....

DataBase: Collection of data grouped in one place in structured

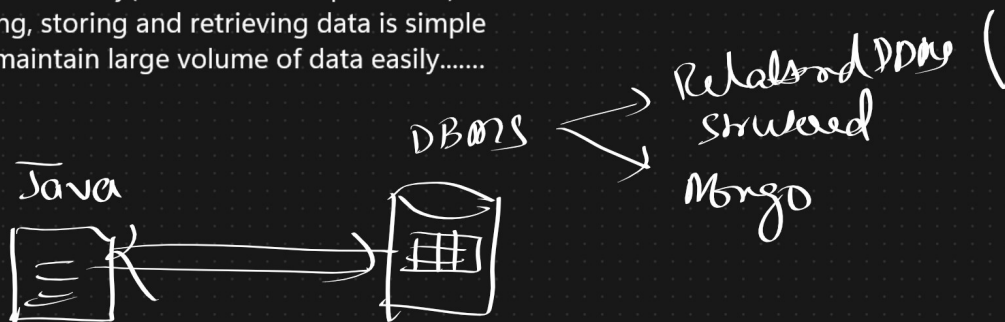
Football player1 : id	Football player3 : id
name	
age	
city	

DBMS: Database management s/w : Its a technique to store and manage data in secure way where in we can retrieve anytime easily .

==> Security and safety (User name and password)

==> Managing, storing and retrieving data is simple

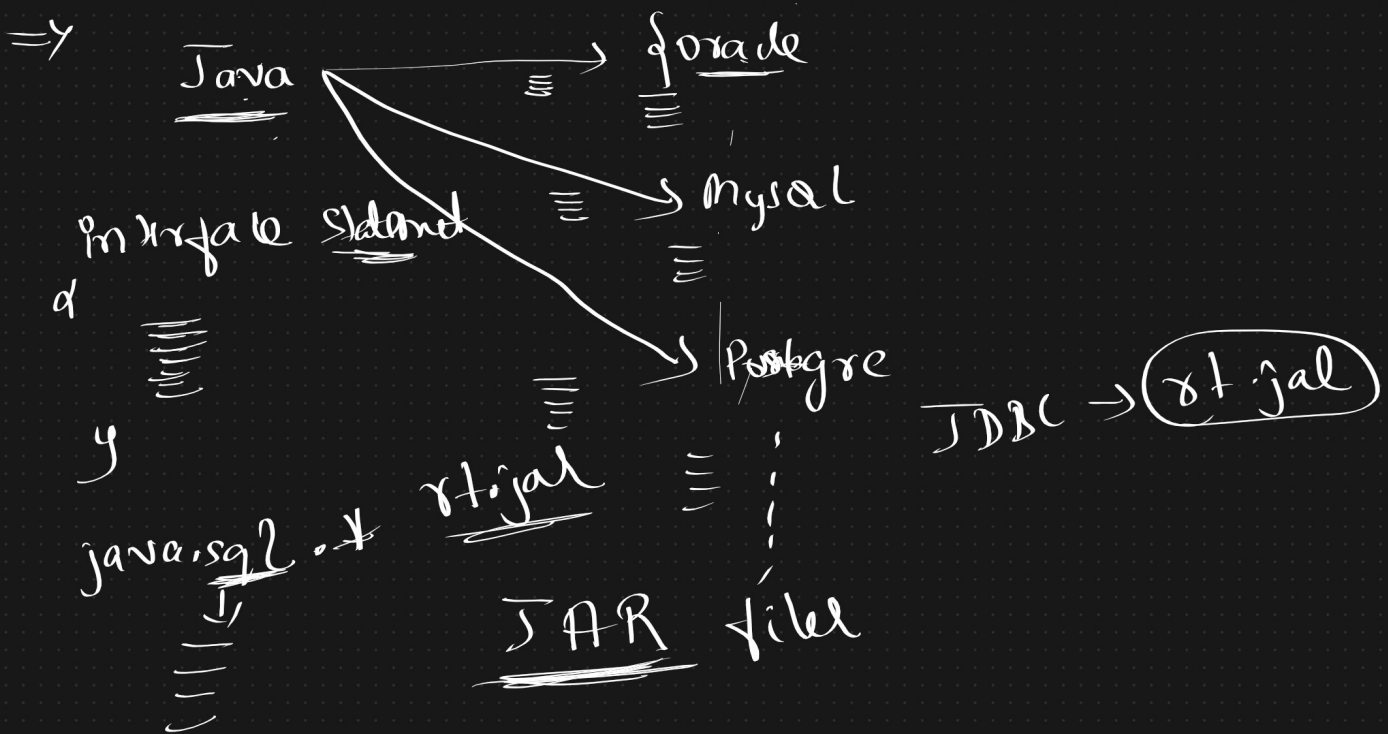
==> We can maintain large volume of data easily.....



JDBC → RDBMS  
↓  
Oracle  
MySQL  
PostgreSQL  
≡

DB2 → RDBMS  
Parasys

JDBC :-  $a+b$ ,  $a+b+c$ ,  $a+b+b+c$



#### JDBC API:

==> Its an API given to us by Java team to work with Database.

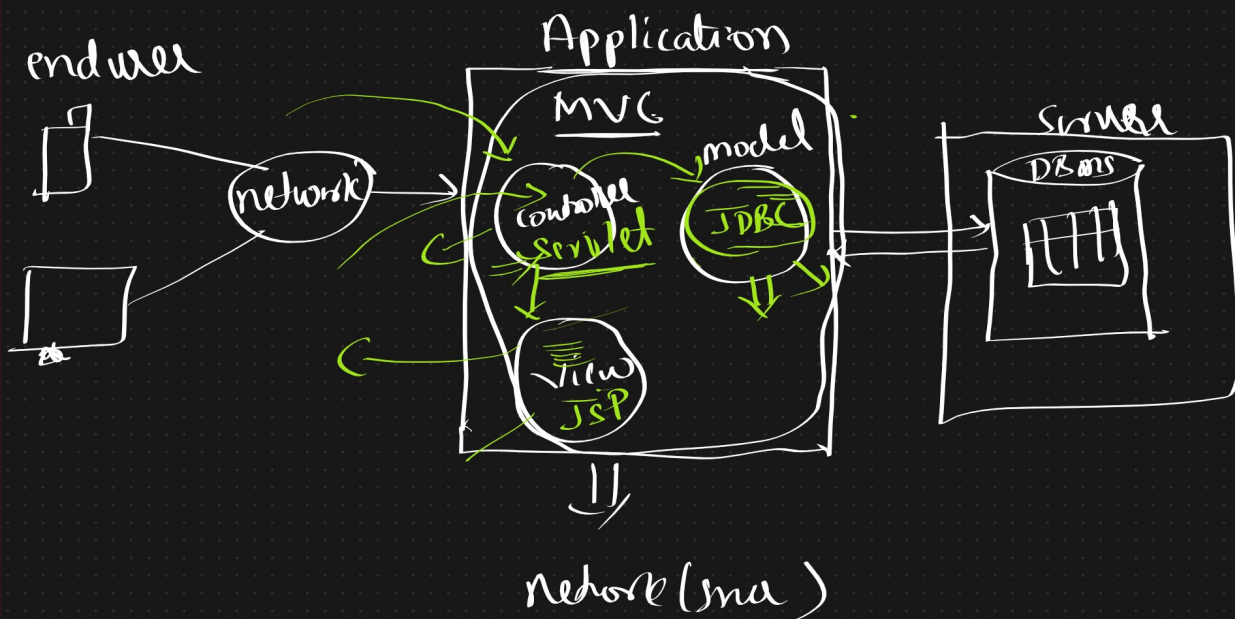
==> To interact with DBMS java team has given one jar called rt.jar --> Got installed when we have installed JDK

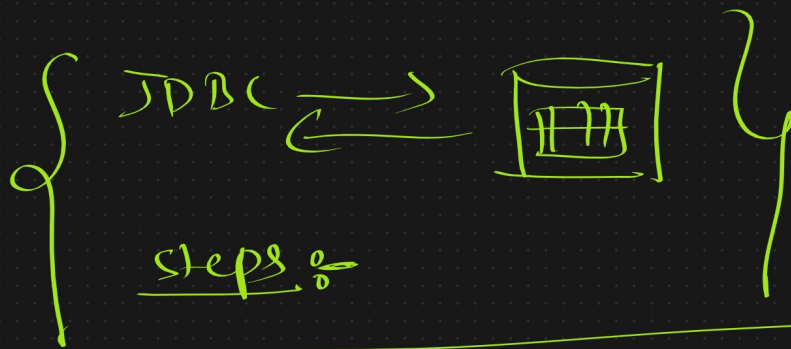
==> To use we have to use package called : "java.sql.\*", "javax.sql.\*"

==> To get the implementation for interfaces abstracts methods of java sql package we need to take help of "DB vendors)

==> Those DB vendors will have implementations and they will give us those implementation in the form of JAR file.

==> Depending on DB we use we need to take or add respective JAR to our project where we are writing JDBC code.





Hm1  $\rightarrow$  2 hour

(30)

Basic sql Ques  
MySQL  
1 Hour