Roll N: 19
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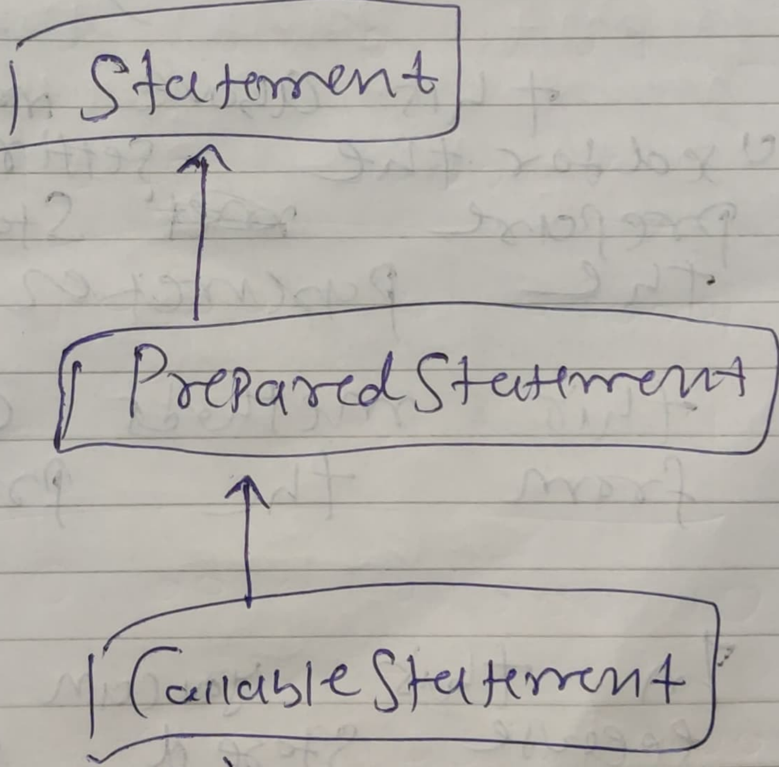
PAGE DATE 9-3-21

Subject: Distributed Application Development

Q Prepare Statement: Interfeice

~~the object of this statement.~~
this interface is subinterfece Of statement. it used to execute the dynemic.

You can put the query with the parameter



This interface which used for execting the stored proceduring

The resolt1 parameter regester as

CallableStatement methods.

setLong()
setfloat()
setShort()
SetInt()

this above methods are used for the setting the prepare Statements to the parameter.

this methods are available from the prepareStatement.

In this you can use the execute stored procedure which is used by java

```
CREATE OR REPLACE procedure
    GetEmpData
    ( EMP-ID Number )

BEGIN
    SELECT * FROM Emp
    where EmpId = EMP-ID;

END;
```

To call this procedure from the ~~Sp~~ java you nede to follow ~~Grothe~~ follwing example.

```
Callablestatment stmt = null;

    Stmt = Conn.PrepareCall(
                "{ call getEmpData(?)
                }");

    Stmt.Execute()
```

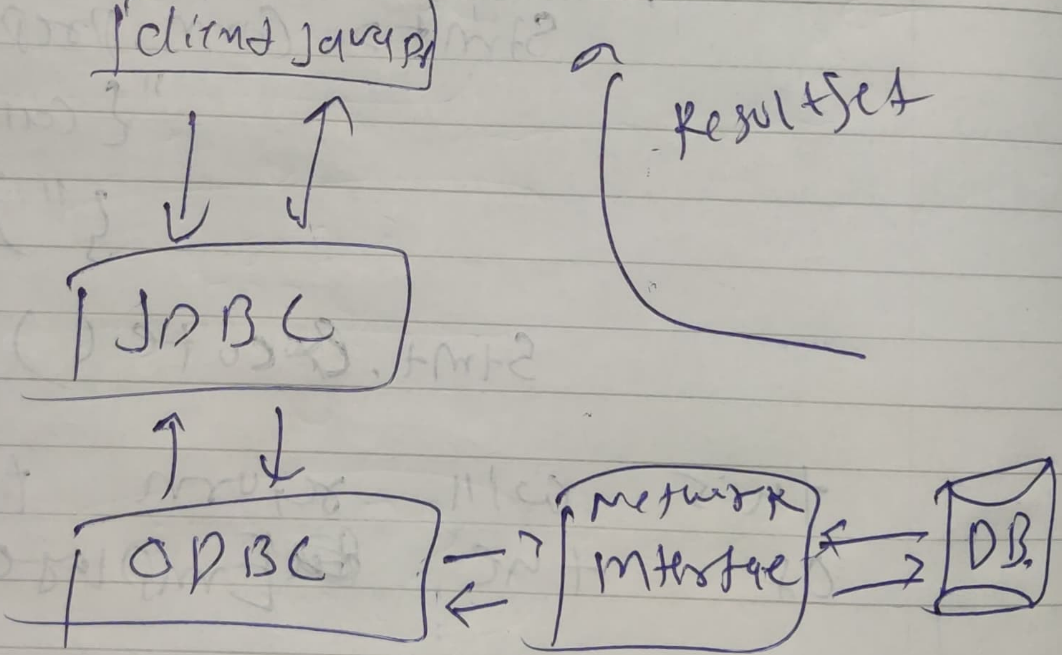
this will return the resutset of the ~~E~~ Employee deta.

Q. ·JDBC drivers

Type 1 = JDBC-ODBC bridge.
Type2 Native API partly java.
TYPE3 JDBC pure java
type 4 ' pur java drive.

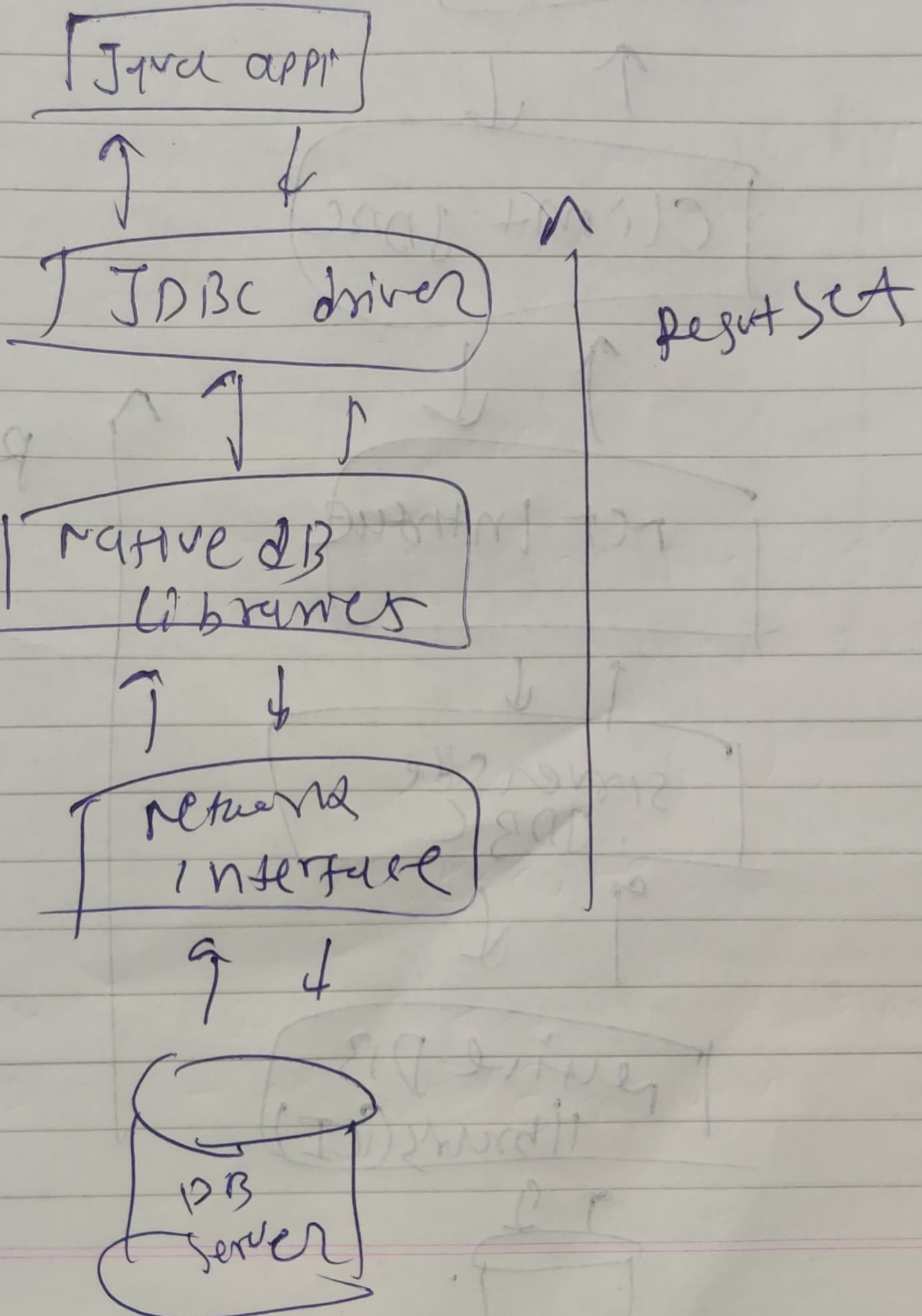
Type 1

JDBC - ODBC driver works as Interface b/w the Java program an the database when a client java program send request to a database. It pass the JDBC driver the ODBC drive.



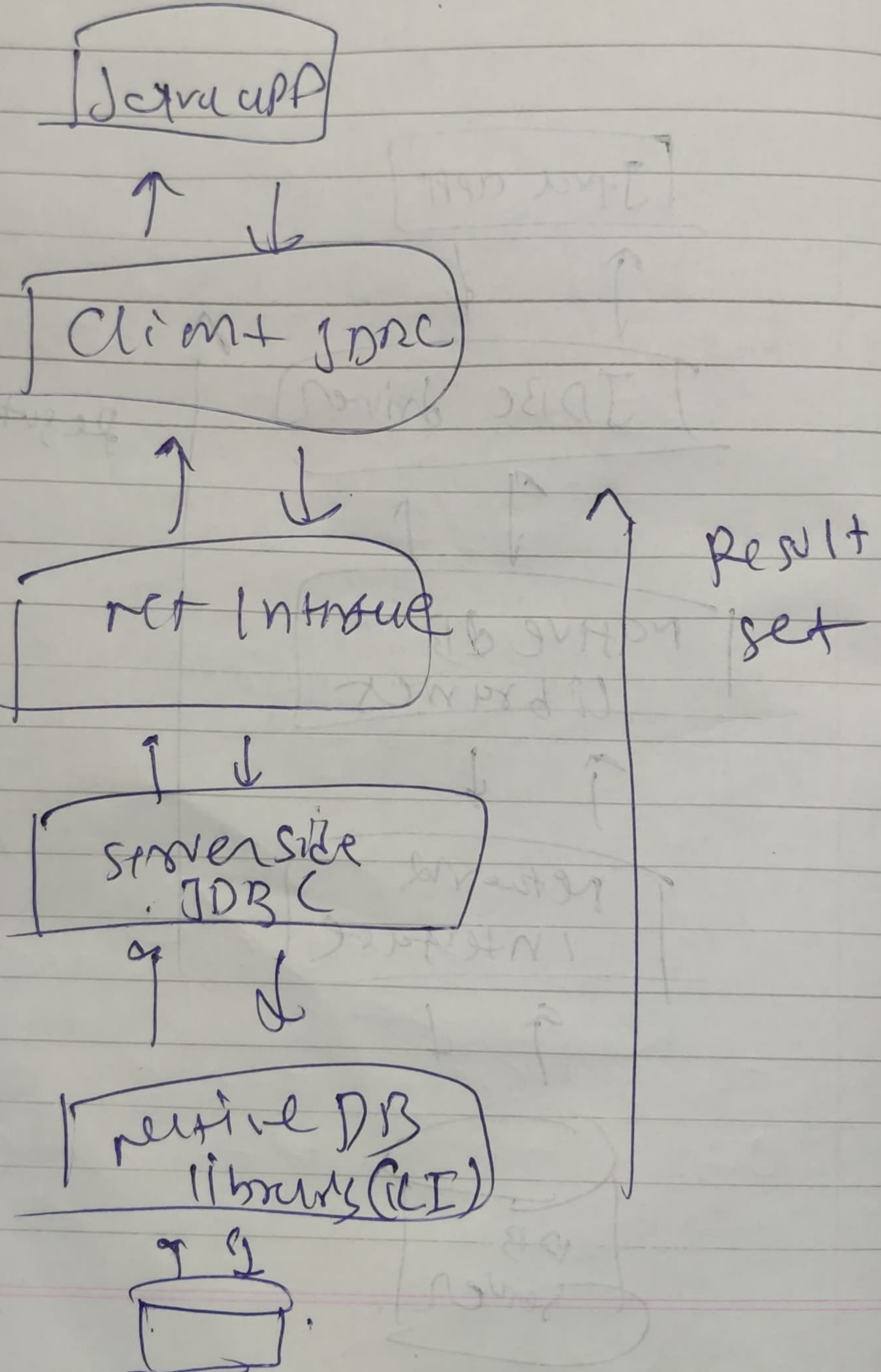
Type2 native - API

the native API driver sends the client JDBC request to the database via the cli client when the database recives the request. It process the request.



Type 3 net Java driver

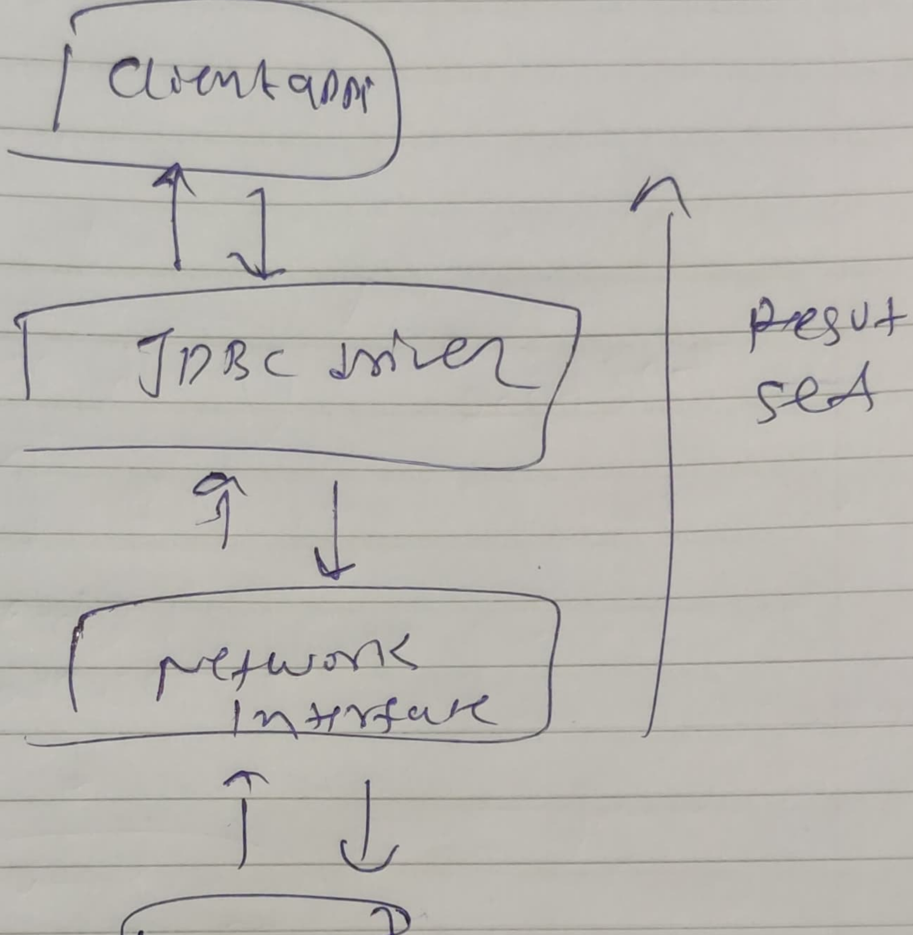
The JDBC net Java driver is familiar to the native api - except the cli is stored at the data base server



Type 4

the pure Java drive

it used JDBC for database Communication here the JDBC directly Communicates with database


Client app
JDBC driver
network interface
DB server
Result set