Type.	Mame	Language	Adv	Disadv
State of the second	JDBC ODBC bridge driven	OBBC walften in clanguage	Easy to use & Connect	Descripemente degrade  Jose Converted to OBE  ODBC deiver reeds to
0590, 358 Conf. 100 Conf.	Native-API	Partially Java Driven	Performance upgraded	be in stalled on client machine > Mative driver reads to be installed on client
Servi of	5	(Converts JdBc method calls to native Calls gdBAP	than JDBC- ODBC	machine. Vendor client library reeds to be installed on
`S3 5555	Network Parotocol Asiven	Jully Java (uses middle ware converts JDBC	No client side library	→ Metwork Support required for client
4.	Thim driven	Calls to vendor specific DB) July Java driver	Better Reaformage	middle tien needs data love Coding  Daivers de Pends
57 7		Converts JDBC to Vendon specific data Look	No Software required for client or seems	en DB,

## steps to connect Java application with Database using JOBC 1. Register deriver > uses Class. forname() Public Static void forname (String class Name) throws Class Not Found Exception

Connection con = Driver Manager get Connection (
"Idbc: oracle: thin: @local host: 1521: xe", "system",
"Password");

Statement St = Con. Create Statement(); 
+. Execute the Query

ResultSet 8s = St. Execute Query ( · only ·);

S. close conrection

2. Greate the Connection object

3. Greate the statement object

## Statement interpose

St. execute Onery () -> used to Execute Select onery.

St. Execute Operate () -> used to Execute doop, create, insert, update, dolete etc:

St. Execute () -> used to Execute overies mot may return multiple results.

```
Pse faced Statement:
 Prefaxed Statement St = con. Prefaxe Statement
   (" insext into Empralues (?,?)");
    St. Set Intex (index, value);
    St. setStaing (index, value);
    St. Setfloat (index, value);
    St. SetDouble (index, value);
    St. executeanay () -> Select anary.
    St. execute updates) > caeate, drop, insert,
                              update, delete etc.
Callable Statement:
  -) used to called the Stored Brocedures and
      functions.
ox Call stored Procedure using JoBC
  Callable Statement St = Con, Profise Call ("{Call inserts
                                           (2,2)4");
  where insert R is a stored procedure.
      St. Execute();
 call function Using JDBC
 Callable Statement st = Con. Pelace all (" { ? = all Sum 4 (),
```

3");

Result Set: ( neturn type for Executerousy)

ResultSet 915 ; reductions a to the mobile burning

95. next () -) move cursor from one now went to cusient grow.

715. PRELIOUS () -> move Curson from one grow Previous to Current from

915. First now in growet set object

## aske - represent and are Result Set Meta Data:

1 37 ... 61

915. get Column Countil) -> total no 9 Columns in Result set object 915. get Column Name (i) > column name at bising indexions indexions 1 Louis in

. 915. get Column ty Pe Name (i) -> getweens Column ty Pe name for Specific Indea

915. get Table Name (1) returns table name, about the different it is the chall edge of the

Califold " when to the other section ! I see addition

eare stor with 19 de

+ 11 mm 3 3 12

subject that a standard out

- Colabiliting x3 + t