Java Dalabase connectivity: Java database connective application programming interface for the falta programming largery which define how a dier ma access a database - it is for based data access technology way java database connectivity. Types of JOBC drivers: Type 1: Type 1 drivers are "bridge" dies Type 2: Type 2 drivers use a rabbe AA to communicate with a database System use a network Type 3: Tèse drivers les communic prototol and middleware with a server -.. Type 4: Type 4 driver cross Java to implement a DBMS vendo retworking protocol.

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Java. Sal. connection;
infait Java. Sal. Divermanage;
import Java. Sal. Sal Exception;
import Java. SQL. Statement;
inport Java. util. Scanner;
Public class main &
  Public Static void main (String [] args)
     Starrer Searrer = new Searrer (system-in).
  bry &
    class. for Nane ("com. mysal. ci. Jobe.
   String url = "Joba myser,
                                   Driver ");
     String user = "rock",
     5 bring Passiond = " ".
      Connection con = Driver manager.
                           get connections wil,
      Statement Stort = con . createstatement ();
      5 bring create table SQL = "(REATE
            TABLE IF NOT EXISTS Student (SNO
                ENE SNAME - VARCHAR (2071)
```

For (int 1 = 0; 125; 1+1) & System out. Printen ("Enter Studen ent sno = scarrer - nexten(); Scarner . next the (); System. Out- Print ("Enter estudent man String sname = Scanner . resetting(); String insert sal - string, format ("INSER, IN TO student (SNO, SName) values (-1-d,"/-s System. out Printl('Records inserted secossfully ... "); stant-close (); con. close (); 3 catch (class not Found Exception salexed a Printstack Trace(), 3 binally & Decarrer dose ();

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import Java Sal. Connection
import Java. SQL. Driver maraga.
inhort Java. SQL Exception.
import Java. Sal Statement;
emport Java. Soil;
import Java - Will. Scarrer;
Public class mains
 Public Static word main (string (3 angs)
     Scarrer scarrer = new Scarrer (system.
  class. borrane ("com. mysah. ci jelk souron)
   S. bring url = "Jdbe: mysql;
    String user = "root";
     String Password = 11",
     Connection con = deriver manager get
            Connection ( wil, user, Pass).
     Statement start - Con, create statement
    String create Tube Sal = "CREATE
                  TABLE IF NOT EXISTS
      Student (SNO into, SNAME VARCHAR(R)
```

bor (int i =0; i < 5; i++) { System. Out. Prent ("Enter student nu int sno = Scarra - neutlit(); Scarron-next line. (): system. Out. Println ("Enter Student nan String sname = Scanner. neset line(); string insert sal = string - formate ("In INTO Student (SNO. SNAME) VALUES (1.d, " of s SNO, Brane); 5 bont. execute Update (insatsal); System. Out. Println ("Records inserted Successfully ... "); Strong Sal = "SELECTA FROM Student"; Result Set YS= rull. rs= stont, excute avery (SQL); system - out Print In "student Details are:"). while (rs. rest ()) {

```
intistro + rs. getent ("sno");
      String shame = rs getstring ("SNAME").
      staten. out Printer ("SNO: "4 SNO +", SNAME")
    Snane);
         start . close ();
         con, close ();
        3 catch (class Not Found Exception)
                  SQLEXCEPTION e) &
          3. Girally of
            scarrer. Close ();
   JOBC API:-
            It Provides vivious methods and
    interfaces for easy communication with
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the dutabuse. It problides to

Packages as follows, which contain the

Java SE and Java EE platform to exhibit work (write once un anywhere) capabolic The Jewa. SQL Package contains interfaces and classes of JOBC API.

夏州(1973年)