4+	YASH SARANIG- EXPERIMENT 12 DBMS
Lin:	Implement Database Connectivity (JDBC, ODBC)
Theory	JDBC Archôtecture. In the two tier model, a Java app tasks directly to the data source. This requires a JDBC
	dræver that can communicate with the partienter data source. May be loaded on another machine to which the user is connected via network. This is restorted to as a client/sower coupling,
	This is restored to as a client/server couling with user's machine as the lient, so the machine howsing the data source as the server. The network can be an instant. In the 5 tier model, commands are sent to
	a "midde tier" of services, which then sends the commands to the data source processes the commands & sends the results back to the middle fier, which then sends
•	them to the user Until recently, the middle tier has offen been. Until recently, the middle tier has offen been. Until offers fast performance. However with the introduction of optimizing
	machine specific code & fectualogies such as enterprise
	JavaBeans the Java platform is fost becoming a standard platform of winddle tier development.
	Jundamental Steps for JDBC. O Import JDBC packages O Load & register the JDBC driver.
16 No	3 Open a Junneetion to the database. (a) Create a statement object to perform a query. (b) Execute the statement object to retirm a query resulted. (c) Process the result set.
	(3) Close the result set & statement objects. (8) Close the connection.

```
import java.sql.*;
public class jdbc {
    static final String JDBC_DRIVER = "com.mysql.jdbc.Driver";
    static final String DB_URL = "jdbc:mysql://localhost:3306/";
    static final String USER = "java";
    static final String PASS = "subo";
public static void main(String[] args) {
Connection conn = null;
Statement stmt = null;
try{
Class.forName("com.mysql.cj.jdbc.Driver");
System.out.println("Connecting to database...");
conn = DriverManager.getConnection(DB_URL, USER, PASS);
System.out.println("Creating database...");
stmt = conn.createStatement();
String sql1 = ("CREATE DATABASE STUDENTS1");
stmt.executeUpdate(sql1);
System.out.println("Database created successfully...");
catch(SQLException se){
se.printStackTrace();
catch(Exception e){
e.printStackTrace();
finally{
   try[
        if(stmt!=null)
        stmt.close();
        }
    catch(SQLException se2){
}
try{
    if(conn!=null)
    conn.close();
    }
    catch(SQLException se){
    se.printStackTrace();}
System.out.println("Goodbye!");
```

Connecting to database...
Creating database...
Goodbye!