☺ **JAVA PROGRAM TO PERFORM BASIC JDBC OPERATIONS:**

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| **PROGRAM :**  **package** DBStudents;  **import** java.sql.\*;  **import** java.util.\*;  **public** **class** JDBCDemo1  {  **public** **static** **void** main(String args[])  {  **try**{  DriverManager.*registerDriver*(**new** com.mysql.jdbc.Driver());  String url="jdbc:mysql://localhost:3306/students";  String user="root";  String pass="2014bcs021";  Connection con=DriverManager.*getConnection*(url,user,pass);  System.***out***.println("Connection with Database Estabilished");  Statement st=con.createStatement();  Scanner sc=**new** Scanner(System.***in***);  **while**(**true**)  {  System.***out***.println("Enter 1.CREATE TABLE 2.INSERT INTO TABLE 3.SHOW DATA IN TABLE 4.DELETE FROM TABLE");  **int** ch=sc.nextInt();  **switch**(ch)  {  **case** 1:  System.***out***.println("Enter Table\_Name");  String Table\_Name=sc.next();  String query1="create table "+ Table\_Name+"(Sid int,Sname varchar(30),Age int)";  **int** i;  i=st.executeUpdate(query1);  System.***out***.println("Created table "+Table\_Name);  System.***out***.println(i+" rows affected");  **break**;  **case** 2:  System.***out***.println("enter values");  System.***out***.println("Enter id");  **int** id=sc.nextInt();  System.***out***.println("Enter name");  String name=sc.next();  System.***out***.println("Enter age");  **int** age=sc.nextInt();  String query2="Insert Into Student(Sid,Sname,Age) Values("+id+",'"+name+"',"+age+")";  i=st.executeUpdate(query2);  System.***out***.println(+i+" rows affected.");  **break**;  **case** 3:  String query3="select \* from Student";  ResultSet rs=st.executeQuery(query3);  //extract data  **while**(rs.next())  {  id=rs.getInt(1);  name=rs.getString(2);  age=rs.getInt(3);  System.***out***.println(id+" "+name+" "+age);  }  **break**;  **case** 4:  System.***out***.println("Enter id to delete");  String Sid=sc.next();  String query4="Delete from student where Sid="+Sid;  i=st.executeUpdate(query4);  System.***out***.println(i+" rows affected");  **break**;    }  **if**(ch==5)  **break**;  }  con.close();  }  **catch**(Exception e)  {  System.***out***.println(e);  }  }  } |
| **OUTPUT :**  Connection with Database Estabilished  Enter 1.CREATE TABLE 2.INSERT INTO TABLE 3.SHOW DATA IN TABLE 4.DELETE FROM TABLE  1  Enter Table\_Name  STUDENT  Created table STUDENT  0 rows affected  Enter 1.CREATE TABLE 2.INSERT INTO TABLE 3.SHOW DATA IN TABLE 4.DELETE FROM TABLE  2  enter values  Enter id  21  Enter name  RAVIRAJ  Enter age  19  1 rows affected.  Enter 1.CREATE TABLE 2.INSERT INTO TABLE 3.SHOW DATA IN TABLE 4.DELETE FROM TABLE  2  enter values  Enter id  15  Enter name  SHAHAJI  Enter age  20  1 rows affected.  Enter 1.CREATE TABLE 2.INSERT INTO TABLE 3.SHOW DATA IN TABLE 4.DELETE FROM TABLE  2  enter values  Enter id  40  Enter name  SUMIT  Enter age  19  1 rows affected.  Enter 1.CREATE TABLE 2.INSERT INTO TABLE 3.SHOW DATA IN TABLE 4.DELETE FROM TABLE  3  21 RAVIRAJ 19  15 SHAHAJI 20  40 SUMIT 19  Enter 1.CREATE TABLE 2.INSERT INTO TABLE 3.SHOW DATA IN TABLE 4.DELETE FROM TABLE  2  enter values  Enter id  47  Enter name  KRISHNA  Enter age  20  1 rows affected.  Enter 1.CREATE TABLE 2.INSERT INTO TABLE 3.SHOW DATA IN TABLE 4.DELETE FROM TABLE  4  Enter id to delete  47  1 rows affected  Enter 1.CREATE TABLE 2.INSERT INTO TABLE 3.SHOW DATA IN TABLE 4.DELETE FROM TABLE  4  Enter id to delete  4  0 rows affected  Enter 1.CREATE TABLE 2.INSERT INTO TABLE 3.SHOW DATA IN TABLE 4.DELETE FROM TABLE  5  Connection Closed. |