

```

exp 8:
import java.sql.*;
import java.util.Scanner;

public class App{

    public static void main(String[] args) {

        try {
            Scanner scanner = new Scanner(System.in);
            Class.forName("com.mysql.cj.jdbc.Driver");

            System.out.println("Connecting to the database");
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/dbms", "root",
"Sancse@2003");
            System.out.println("Connected successfully");
            Statement stmt = con.createStatement();

            while (true) {
                System.out.println("1. Insert");
                System.out.println("2. Update");
                System.out.println("3. Delete");
                System.out.println("4. Display");
                System.out.println("5. Exit");
                System.out.println("Enter choice:");

                int choice = scanner.nextInt();

                switch (choice) {
                    case 1:
                        String query1 = "INSERT INTO studdetails VALUES (101,
'dharsh', 20)";
                        String query2 = "INSERT INTO studdetails VALUES (102,
'vonsh', 21)";
                        String query3 = "INSERT INTO studdetails VALUES (103,
'vishal', 19)";
                        String query4 = "INSERT INTO studdetails VALUES (104,
'nani', 22)";
                        String query5 = "INSERT INTO studdetails VALUES (105,
'laks', 18)";

                        stmt.executeUpdate(query1);
                        stmt.executeUpdate(query2);
                        stmt.executeUpdate(query3);
                        stmt.executeUpdate(query4);
                        stmt.executeUpdate(query5);

                        System.out.println("Records inserted successfully");
                        break;

```

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        case 2:
            System.out.println("Enter new name:");
            String newName = scanner.next();
            String updateQuery = "UPDATE studdetails SET name = '" +
newName + "' WHERE rollno = 102";
            stmt.executeUpdate(updateQuery);

            System.out.println("Table updated successfully");
            break;

        case 3:
            System.out.println("Enter rollno to delete:");
            int rollToDelete = scanner.nextInt();
            String deleteQuery = "DELETE FROM studdetails WHERE rollno =
" + rollToDelete;

            stmt.executeUpdate(deleteQuery);
            System.out.println("Row deleted successfully");
            break;

        case 4:
            ResultSet rs = stmt.executeQuery("SELECT * FROM
studdetails");
            while (rs.next()) {
                System.out.println(rs.getString(1) + "\t" +
rs.getString(2) + "\t" + rs.getString(3));
            }
            break;

        case 5:
            System.exit(0);
            break;
    }
}
} catch (Exception e) {
    System.out.println(e.toString());
}
}
}

```

database:

```

mysql> use dbms;
Database changed
mysql> create table studdetails(rollno int primary key,name varchar(20),age int);
Query OK, 0 rows affected (0.95 sec)

```

output:

Windows PowerShell

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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS C:\Users\SURIYA\Desktop\DBMSEXPERIMENTS\dbms> & 'C:\Program
Files\Java\jdk-21\bin\java.exe'
'@C:\Users\SURIYA\AppData\Local\Temp\cp_qarm1byhqt7uvubjzovabso9.argfile' 'App'
Connected successfully
1. Insert
2. Update
3. Delete
4. Display
5. Exit
Enter choice:
1
java.sql.SQLIntegrityConstraintViolationException: Duplicate entry '101' for key
'studdetails.PRIMARY'
PS C:\Users\SURIYA\Desktop\DBMSEXPERIMENTS\dbms> c:; cd
'c:\Users\SURIYA\Desktop\DBMSEXPERIMENTS\dbms'; & 'C:\Program
Files\Java\jdk-21\bin\java.exe'
'@C:\Users\SURIYA\AppData\Local\Temp\cp_qarm1byhqt7uvubjzovabso9.argfile' 'App'
Connecting to the database
Connected successfully
1. Insert
2. Update
3. Delete
4. Display
5. Exit
Enter choice:
1
Records inserted successfully
1. Insert
2. Update
3. Delete
4. Display
5. Exit
Enter choice:
2
Enter new name:
sanmathi
Table updated successfully
1. Insert
2. Update
3. Delete
4. Display
5. Exit
Enter choice:
3
```

Enter rollno to delete:

101

Row deleted successfully

1. Insert
2. Update
3. Delete
4. Display
5. Exit

Enter choice:

4

102	sanmathi	21
-----	----------	----

103	vishal	19
-----	--------	----

104	nani	22
-----	------	----

105	laks	18
-----	------	----

1. Insert
2. Update
3. Delete
4. Display
5. Exit

Enter choice: