**1] Create a procedure in database using java proram**

package PROCEDURE;

import java.sql.\*;

public class Procedure2 {

public static void main(String[] args) {

String url = "jdbc:mysql://localhost:3306/shop";

String username = "root";

String password = "root";

try (Connection conn = DriverManager.*getConnection*(url, username, password)) {

String createProcedureQuery = "CREATE PROCEDURE sp\_insert\_user(IN CUS\_ID INT,IN name VARCHAR(50), IN age INT) " +

"BEGIN " +

"INSERT INTO CUSTOMERS (CUS\_ID, NAME, AGE) VALUES (CUS\_ID, name, age); " +

"END;";

try (Statement stmt = conn.createStatement()) {

stmt.execute(createProcedureQuery);

System.***out***.println("Procedure created successfully!");

} catch (SQLException e) {

System.***out***.println("Error creating procedure: " + e.getMessage());

}

} catch (SQLException e) {

System.***out***.println("Error connecting to database: " + e.getMessage());

}}}

**Output:**

Procedure created successfully!

**2] Calling an procedure using an java program.**

package PROCEDURE;

import java.sql.\*;

public class Procedure {

public static void main(String[] args) {

try {

Class.*forName*("com.mysql.cj.jdbc.Driver");

try ( Connection con = DriverManager.*getConnection*("jdbc:mysql:///shop", "root", "root")) {

CallableStatement cs = con.prepareCall("{call GetCustomerInfo()}");

ResultSet result = cs.executeQuery();

while (result.next()) {

System.***out***.println("Name : " + result.getString("name"));

System.***out***.println("Age : " + result.getInt("age"));

}

result.close();

cs.close();

con.close();

}

}

catch (SQLException e) {

e.printStackTrace();

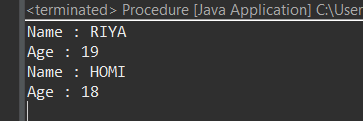
}

catch (ClassNotFoundException e) {

e.printStackTrace();

}}}

Output:

****

**3] Calling the insert procedure**

package PROCEDURE;

import java.sql.CallableStatement;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

public class Procedurec {

public static void main(String[] args) {

String url = "jdbc:mysql://localhost:3306/shop";

String username = "root";

String password = "root";

try (Connection conn = DriverManager.*getConnection*(url, username, password)) {

String callProcedureQuery = "{ CALL sp\_insert\_user(?, ?, ?) }";

try (CallableStatement cstmt = conn.prepareCall(callProcedureQuery)) {

cstmt.setInt(1, 4);

cstmt.setString(2, "Joe");

cstmt.setInt(3, 25);

cstmt.execute();

System.***out***.println("Procedure called successfully!");

} catch (SQLException e) {

System.***out***.println("Error calling procedure: " + e.getMessage());

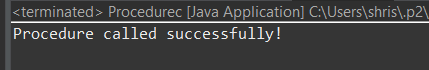
}

} catch (SQLException e) {

System.***out***.println("Error connecting to database: " + e.getMessage());

}}}

Output:



**4] Creating an Procedure in mysql.**

mysql> DELIMITER //

mysql> CREATE PROCEDURE DisplayInfo()

-> BEGIN

-> SELECT \* FROM CUSTOMERS;

-> END//

**Output:**

Query OK, 0 rows affected (0.01 sec)