



```
===== Steps to connect Java with Database using JDBC =====
1. Load & Register Driver
    => Class.forName("driver class");
2. Create connection
    => Connection con = DriverManager.getConnection("url", "username", "password");
3. Create statement
    => PreparedStatement ps = con.prepareStatement("sql query");
4. Execute SQL statement
    => ps.executeUpdate();
5. Process the result
6. Close the connection
```

## Code:

```
package in.sp.test;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
public class InsertDemo
{
        public static void main(String args[])throws Exception
        {
    //----User Values---
                String name1="Kajal";
                String email="mohiteKajal@gmail.com";
                String pass1="kajal123";
                String gender="Female";
                String city="Sakharwadi";
                //---load and register Driver--
    Class.forName("com.mysql.cj.jdbc.Driver");
```

```
//Create Connection
                Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jdbc_db","root","root");
                //--Create Statement
                PreparedStatement ps = con.prepareStatement("insert into register
values(?,?,?,?,?)");
                ps.setString(1,name1);
                ps.setString(2, email);
                ps.setString(3, pass1);
                ps.setString(4,gender);
                ps.setString(5,city);
                //Execute SQL Statement
                int i=ps.executeUpdate();
                //Process the result
                if(i>0)
                {
                        System.out.println("Sucesss..!!!");
                }
                else
                {
                        System.out.print("Fail");
                }
        }
}
```

## **OUTPUT:**

```
mysql> create database jdbc_db;
Query OK, 1 row affected (0.06 sec)
mysql> use jdbc_db;
Database changed
mysql> create table register(name varchar(100),email varchar(100),password varchar(100),gender varchar(10),city varchar(50));
Query OK, 0 rows affected (0.09 sec)
 mysql> desc register;
+-----
                                           | Null | Key | Default | Extra |
  Field
                  Type
   name | varchar(100)
email | varchar(100)
password | varchar(100)
gender | varchar(10)
city | varchar(50)
                                            YES
YES
YES
YES
YES
                                                                  NULL
NULL
NULL
NULL
NULL
 5 rows in set (0.01 sec)
mysql> select *from register;
Empty set (0.01 sec)
 mysql> select *from register;
  | name | email
                                                        | password | gender | city |
  | karan | mohitekaran18@gmail.com | karan124 | male
| karan | mohitekaran18@gmail.com | karan124 | male
                                                                                          pune
 2 rows in set (0.00 sec)
```

mysql> select *from register;				
name	email	password	gender	city
karan   karan   Vaishnavi	mohitekaran18@gmail.com mohitekaran18@gmail.com mohiteVaishnavi18@gmail.com	karan124 karan124 vaishnavi124	male male female	pune   pune   pune
3 rows in set (0.00 sec)				
mysql> select *from register;				
name	email	password	gender	city
karan   karan   Vaishnavi   Pranjali	mohitekaran18@gmail.com mohitekaran18@gmail.com mohiteVaishnavi18@gmail.com mohitePranjali@gmail.com	karan124 karan124 vaishnavi124 pranjali123	male male female Female	pune   pune   pune   pune
4 rows in set (0.00 sec)  mysql> select *from register;				
name	email	password	gender	city
karan   karan   Vaishnavi   Pranjali   Kajal +5 5 rows in set	mohitekaran18@gmail.com mohitekaran18@gmail.com mohiteVaishnavi18@gmail.com mohitePranjali@gmail.com mohiteKajal@gmail.com  (0.00 sec)	karan124 karan124 vaishnavi124 pranjali123 kajal123	male male female Female Female	pune pune pune pune Sakharwadi