

Prepared Statement in JDBC

- The PreparedStatement interface is a sub interface of Statement.
- It is used to execute parameterized query.
- For example: String sql="insert into emp values(?,?,?)";
- Here, we are passing parameter (?) for the values. Its value will be set by calling the setter methods of PreparedStatement like setInt(int paramIndex, int value), etc.

```
import java.sql.*;
class JDBCPrepared
{
    public static void main(String args[])
    {
        try
        {
            Class.forName("com.mysql.cj.jdbc.Driver");

            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/sis","root","12345678");

            PreparedStatement stmt=con.prepareStatement("insert into emp values(?,?,?)");
            stmt.setInt(1,112);//1 specifies the first parameter in the query
            stmt.setString(2,"Rohan");
            stmt.setString(3,"Bharatpur");

            int i=stmt.executeUpdate();
            System.out.println(i+" records inserted");

            con.close();

        }
        catch(Exception e)
        {
            System.out.println(e);
        }
    }
}
```

```
C:\Program Files\Java\jdk-11.0.12\bin\Manish>java FirstJDBC
101 Kamal Udaipur
102 Aanish Jaipur
103 Abhishek Ajmer
104 Abhay Kota
105 Kuldeep Pali
106 Mahesh Dausa
107 Aalok Bikaner
111 Ronak Udaipur

C:\Program Files\Java\jdk-11.0.12\bin\Manish>javac JDBCPrepared.java

C:\Program Files\Java\jdk-11.0.12\bin\Manish>java JDBCPrepared
1 records inserted

C:\Program Files\Java\jdk-11.0.12\bin\Manish>java FirstJDBC
101 Kamal Udaipur
102 Aanish Jaipur
103 Abhishek Ajmer
104 Abhay Kota
105 Kuldeep Pali
106 Mahesh Dausa
107 Aalok Bikaner
111 Ronak Udaipur
112 Rohan Bharatpur
```