

# JDBC – CRUD Operations

## Creating the Table:

use demovirtusa;

Create table Employee

(

empid int(11) not null auto\_increment,

empname varchar(50) not null,

empdesignation varchar(50) not null,

empage varchar(50) not null,

empsalary varchar(50) not null,

Primary key(empid));

## Inserting Data into Employee Table:

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.PreparedStatement;
import java.sql.Statement;
class EmpIns {
    public static void main (String[]args) throws SQLException
    {
        String url="jdbc:mysql://localhost:3306/demovirtusa";
        String name="root";
        String password="Sowji@0504";
        try
        {
            Connection c=DriverManager.getConnection(url,name,password);
            if (c!=null)
            {
                System.out.println("output running ");
                String sql="INSERT INTO
Employee(empname,empdesignation,empage,empsalary) VALUES(?,?,?,?);
                PreparedStatement statement= c.prepareStatement(sql);
                statement.setString(1, "Vijay");
                statement.setString(2, "HR Manager");
                statement.setInt(3, 45);
                statement.setInt(4,150000);
                int rowsInserted =statement.executeUpdate();
                if(rowsInserted>0) {
                    System.out.print("inserted!!!!!!");
                }
            }
        }
    }
}
```

```

        }
        else
        {
            System.out.println("donne");
        }
        c.close();
    }
    else
    {
        System.out.println("over");
    }
    c.close();
}
catch(SQLException ex)
{
    ex.printStackTrace();
}
}
}

```

### Output:

output running  
inserted!!!!!!

1 Satya	Lawyer	25 50000
2 Sam	Associate Engineer	22 35000
3 Meghana	Programmer	27 75000
4 Mani	Analyst	25 50000
5 Sravs	Fashion Designer	30 65000
6 Vijay	Hr Manager	45 150000

### Updating Table and Printing Updated Statement:

```

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
class EmpUpd {

    public static void main(String[] args) {

        String dbURL="jdbc:mysql://localhost:3306/demovirtusa";
        String username="root";
        String password="Sowji@0504";
        try {
            Connection c=DriverManager.getConnection(dbURL,username,password);
            if(c!=null)

```

```

    {
        System.out.print(" we got Connected....");
        String sql = "UPDATE Employee SET empdesignation='Manager' where
empage>40";
        String sql1 = "select * from employee where empage>40";

        Statement statement = c.createStatement();
        ResultSet res=statement.executeQuery(sql1);
        int count=0;
        while(res.next()) {
            String empname=res.getString(2);
            String empdesg=res.getString(3);
            Integer empage=res.getInt(4);
            Integer empsalary=res.getInt(5);
            String out="User  #d:%s-%s-%d-%d";

            System.out.printf(out,++count,empname,empdesg,empage,empsalary);
        }

        PreparedStatement statement1 = c.prepareStatement(sql);
        int rowsUpdated = statement1.executeUpdate();
        if(rowsUpdated>0){
            System.out.println("\n Updated");
        }else
        {
            System.out.println("Not Updated");
        }
    }
    else
    {
        System.out.print("uff we didn't get connected....");
    }
    c.close();
}
catch(SQLException e)
{
    e.printStackTrace();
}
}
}

```

## Output:

we got Connected....  
 User #1:Vijay-Manager-45-150000  
 Updated

1 Satya	Lawyer	25 50000
2 Sam	Associate Engineer	22 35000
3 Meghana	Programmer	27 75000
4 Mani	Analyst	25 50000
5 Sravs	Fashion Designer	30 65000
6 Vijay	Manager	45 150000