

### Step 1

Open oracle and create a table

```
SQL>Create table library(bookno number(10),  
Title varchar2(25),  
Author varchar2(25),  
Publisher varchar2(25),  
Price number(10),  
Copies number(10));
```

```
SQL> insert into library values(100,'c++','balagurusamy','tatamcgrawhill',250,10);
```

```
SQL> insert into library values(101,'java','balagurusamy','tatamcgrawhill',350,10);
```

```
SQL>commit;
```

**If null value error appears give the following sql command**

```
SQL>delete from library where bookno is null;
```

```
SQL>commit;
```

### Step 2

Create DSN name

Go to Start->Control Panel->Performance and Maintenance->Administrative Tools->DataSources->Add->Microsoft ODBC for Oracle-> DSN Name (type a name) User name –scott -> Finish

### Step 3

**Open Visual Basic and create a form with the following controls**

The screenshot shows a Visual Basic form titled "LIBRARY INFORMATION". It contains six text boxes for data entry, each preceded by a label: "BOOK NO" (value: 11), "TITLE" (value: se), "AUTHOR" (value: abc), "PUBLISHER" (value: iii), "PRICE" (value: 250), and "COPIES" (value: 5). At the bottom, there are two rows of command buttons. The first row contains "ADD", "SAVE", "MODIFY", "DELETE", and "CLEAR". The second row contains "FIRST", "LAST", "NEXT", and "PREVIOUS". Annotations with arrows point to specific controls: "Labels(change the caption)" points to the labels on the left; "Text box" points to the "AUTHOR" text box; and "Command buttons(change Name and Caption)" points to the "PREVIOUS" button.

LIBRARY INFORMATION	
BOOK NO	11
TITLE	se
AUTHOR	abc
PUBLISHER	iii
PRICE	250
COPIES	5
ADD SAVE MODIFY DELETE CLEAR	
FIRST LAST NEXT PREVIOUS	

#### **Step 4**

Go to Project Menu ->References-> Microsoft Activex Library 2.7(put Tick on the check box)

#### **Step 5**

Type the following code in the Visual Basic Code window

```
Dim cn As ADODB.Connection
```

```
Dim rs As ADODB.Recordset
```

```
Private Sub Form_Load()
```

```
Me.WindowState = 2
```

```
Set cn = New ADODB.Connection
```

```
Set rs = New ADODB.Recordset
```

```
cn.Open "dsnname", "scott", "tiger"
```

```
rs.Open "select * from libray", cn, adOpenDynamic, adLockOptimistic
```

```
FILLLIST
```

```
List1.Visible = False
```

```
End Sub
```

```
Private Sub FILLLIST()
```

```
List1.Clear
```

```
rs.MoveFirst
```

```
Do While Not rs.EOF()
```

```
List1.AddItem (rs("bookno"))
```

```
rs.MoveNext
```

```
Loop
```

```
rs.MoveFirst
```

```
End Sub
```

```
Private Sub MOVEFIELDS()
```

```
Text1.Text = rs("bookno")
```

```
Text2.Text = rs("title")
```

```
Text3.Text = rs("author")
```

```
Text4.Text = rs("publisher")
```

```
Text5.Text = rs("price")
```

```
Text6.Text = rs("copies")
```

```
End Sub
```

```
Private Sub addnew_click()
```

```
Text1.SetFocus
```

```
rs.AddNew
```

```
MsgBox "Adding Records"
```

```
End Sub
```

```
Private Sub delete_click()
```

```
List1.Visible = True
conf = MsgBox("Do you want to delete this record?", vbYesNo)
If conf = vbYes Then
rs.Delete
MsgBox "Reccord Deleted"
End If
End Sub
```

```
Private Sub save_click()
rs("bookno") = Text1.Text
rs("title") = Text2.Text
rs("author") = Text3.Text
rs("publisher") = Text4.Text
rs("price") = Text5.Text
rs("copies") = Text6.Text
rs.Update
MsgBox "Record Saved"
End Sub
```

```
Private Sub modify_click()
List1.Visible = True
End Sub
```

```
Private Sub clear_click()
Text1.Text = " "
Text2.Text = " "
Text3.Text = " "
Text4.Text = " "
Text5.Text = " "
Text6.Text = " "
End Sub
```

```
Private Sub first_click()
rs.MoveFirst
MOVEFIELDS
End Sub
```

```
Private Sub last_click()
rs.MoveLast
MOVEFIELDS
End Sub
```

```
Private Sub next_click()
rs.MoveNext
If rs.EOF() = True Then
MsgBox "This is the last record"
rs.MovePrevious
```

```
Else
MOVEFIELDS
End If
End Sub
```

```
Private Sub previous_click()
rs.MovePrevious
If rs.BOF() = True Then
MsgBox "This is the first record"
rs.MoveNext
Else
MOVEFIELDS
End If
End Sub
```

```
Private Sub list1_click()
Text1.Text = List1.Text
rs.MoveFirst
Do While Not rs.EOF()
If (Text1.Text = rs("bookno")) Then
MOVEFIELDS
Exit Sub
Else
rs.MoveNext
End If
Loop
End Sub
```