

DBMS PROJECT

Hotel Management

REPORT

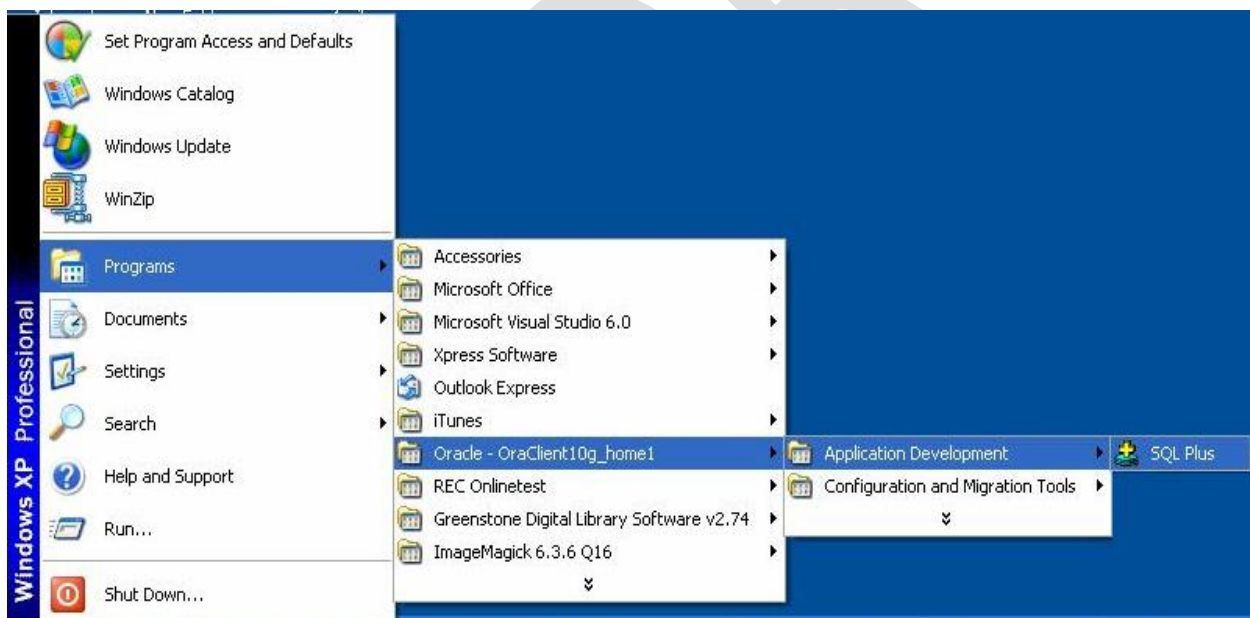
PREPARED BY:
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AKSHAY SRIDAR
ASHWIN.P

Aim:

To create a program for implementation of Hotel Management using SQL database and Visual Basic.

Steps to Connect Visual Basic & Oracle

1. Select SQL Plus from the Start □ **Programs** □ **Oracle-**
OraClient10g_home1 □
Application Development □ **SQL Plus.**



2. Enter the User Name, Password and Host String.

Log On

User Name: Chahat

Password: *****

Host String: orcl

OK Cancel

3. Create the table (eg. Employee).

```

Connected to:
Oracle Database 10g Enterprise Edition Release 10.2.0.3.0 - Production
With the Partitioning, OLAP and Data Mining options

SQL> desc hotel;

```

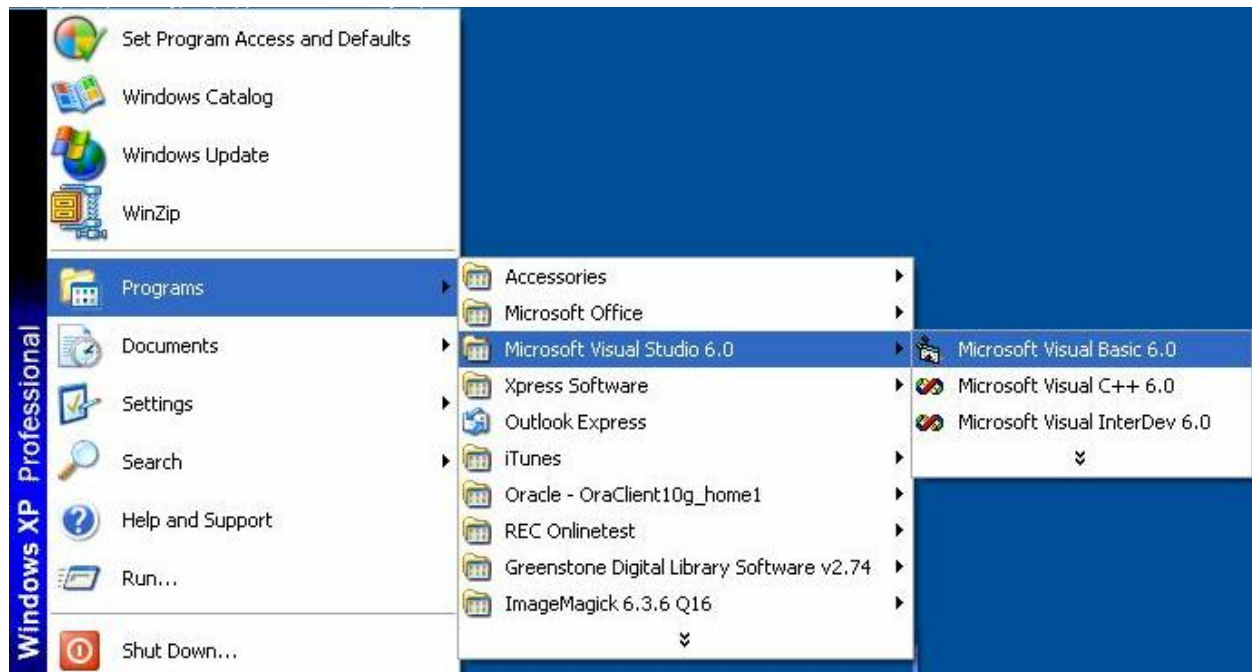
Name	Null?	Type
FNAME		VARCHAR2(10)
LNAME		VARCHAR2(10)
AGE		NUMBER
SEX		VARCHAR2(7)
PHONENUMBER		NUMBER(10)
DATEOFENTRY		VARCHAR2(10)
TYPEOFROOM		VARCHAR2(20)
NATIONALITY		VARCHAR2(10)
AC		VARCHAR2(5)
NOOFPEOPLE		NUMBER
OCCUPATION		VARCHAR2(10)
NODAYS		NUMBER

```

SQL>

```

4. Select the Microsoft Visual Basic 6.0 from the Start ☐ Programs ☐ Microsoft Visual Studio 6.0 ☐ Microsoft Visual Basic 6.0.



5. From the list of Projects select the Project type as Standard EXE and click Open.



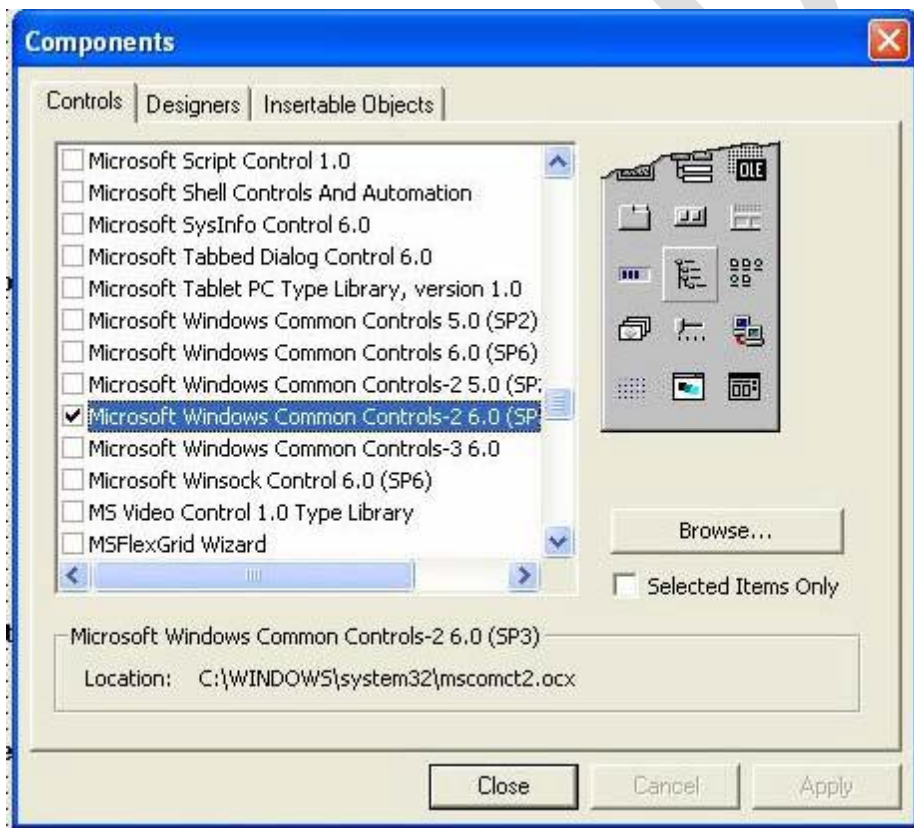
6. Create the form with the following controls and assign the given for Naming Convention.

Control	Name
Text Box	txtFirstName
Text Box	txtLastName
Text Box	txtAge
Text Box	txtSex
Text Box	txtPhoneNumber
Text Box	txtDateofEntry
Text Box	txtTypeofRoom
Text Box	txtNationality
Text Box	txtAC
Text Box	txtNoPeople
Text Box	txtOccupation

Text Box
Command Button
Command Button
Command Button
Command Button
Command Button

txtNoDays
cmdReset
cmdSave
cmdNext
cmdDelete
cmdFirst

7. For placing the DTPicker control, go to Project > Components (or) press Ctrl+T and select the Microsoft Windows Common Controls-2.6.0 (SP3) from the Components and click OK to place in the Toolbox.



8. Now the form look like as below:

Form1

HOTEL MANAGEMENT

FIRST NAME	Text1	TYPE OF ROOM	Text7
LAST NAME	Text2	NATIONALITY	Text8
AGE	Text3	A/C REQUIRED OR NOT	Text9
SEX	Text4	NO OF PEOPLE	Text10
PHONE NUMBER	Text5	OCCUPATION	Text11
DATE OF ENTRY	Text6	NO OF DAYS	Text12

RESET

SAVE

NEXT

DELETE

FIRST

⏮

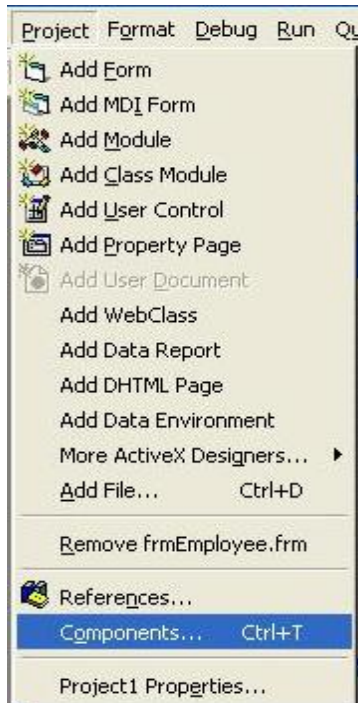
⏪

Adodc1

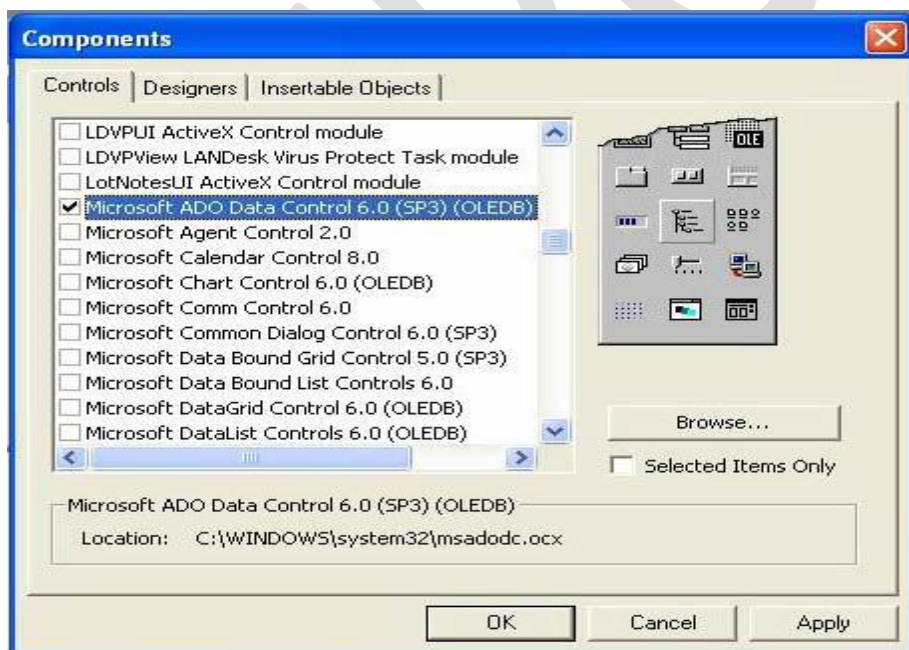
⏩

⏭

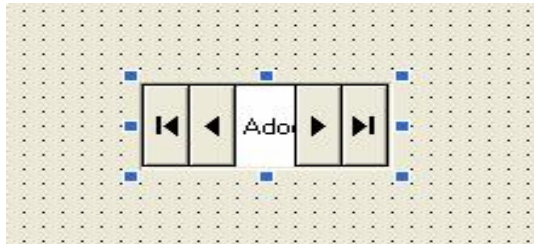
10. Place the ADO Data Control by selection the Project ☐ Components (or) by Pressing Ctrl+T.



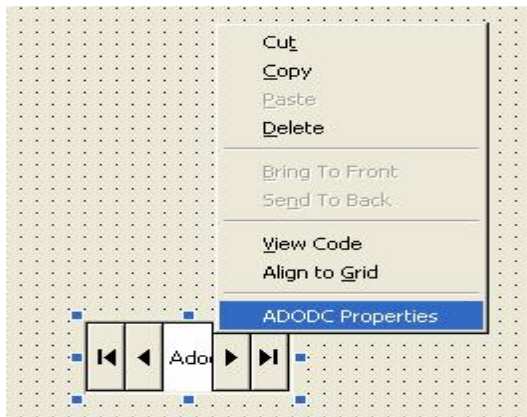
11. From the list of available components check the Microsoft ADO Data Control 6.0 (SP3) (OLEDB).



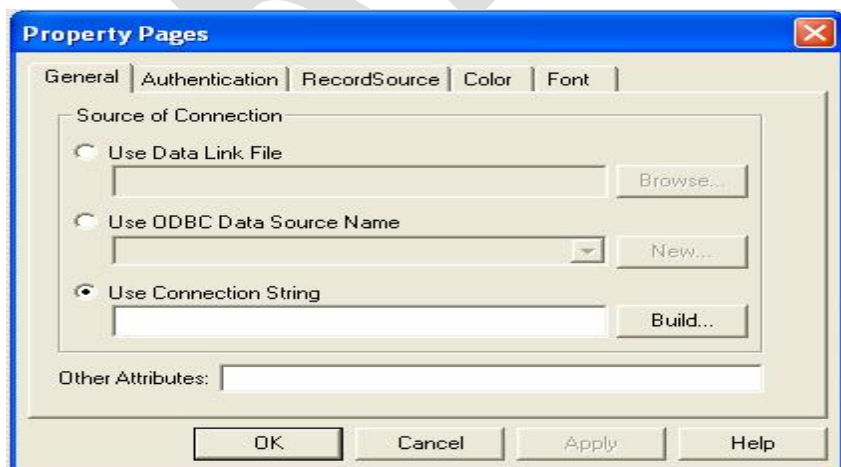
12. From the Toolbox double click the Adodc control to place it in the form.



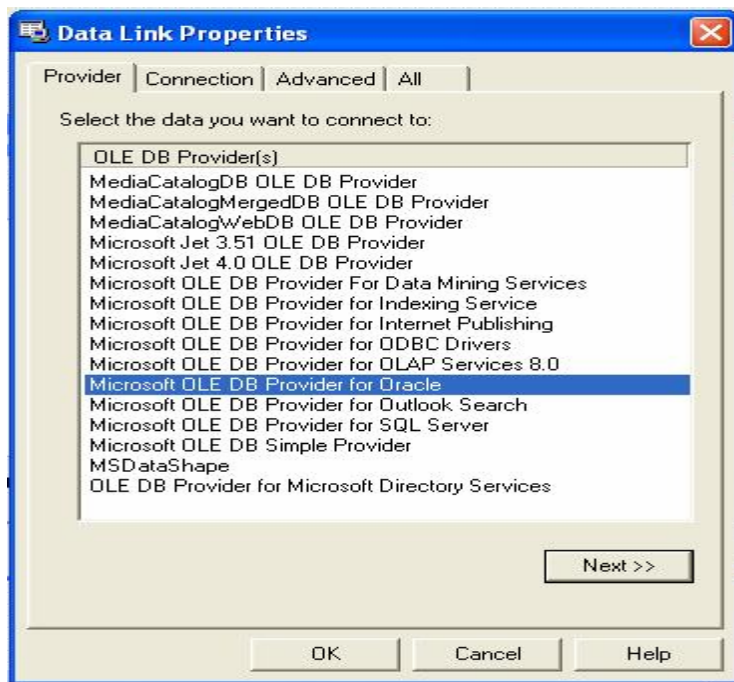
13. Select the Adodc and right click. Then select ADODC Properties.



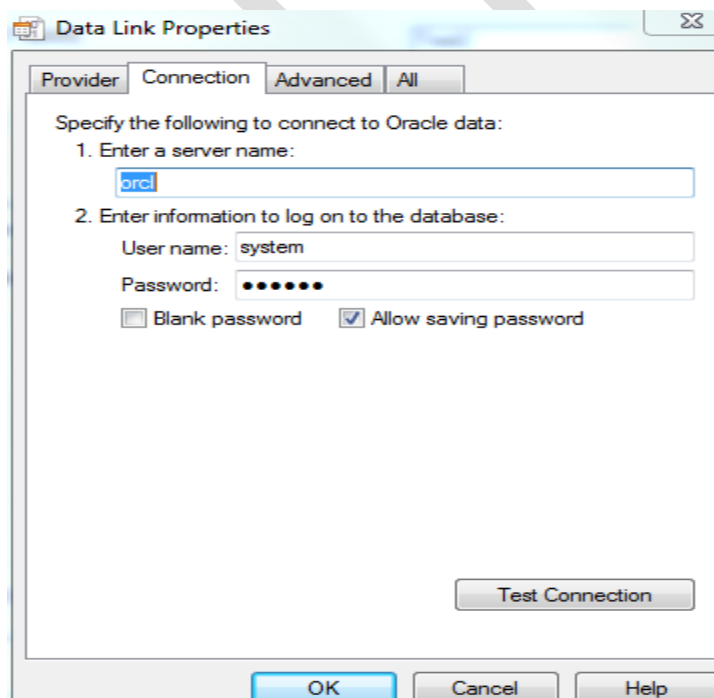
14. In the Property Pages dialog box click the Use Connection String radio button and click the Build button.



15. It opens the Data Link Properties dialog box. In that select the Microsoft OLE DB Provider for Oracle and click Next.



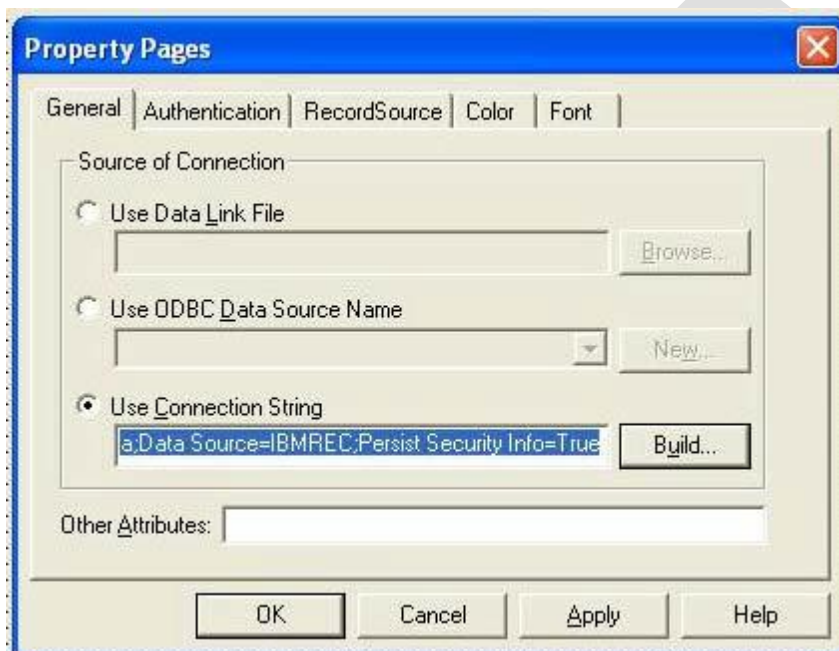
16. Enter the Server Name, User Name and Password correctly (based on your institution configuration). Make the Allow Saving Password box as checked and click Test Connection.



17. If everything is correct, it displays the “Test Connection Succeeded” message, then click OK.



18. Copy the text available in the Use Connection String text box.



19. Double click the form and place the cursor at the top of the code window and press enter. Now we get General Declaration section. Declare the following variables.

```
Dim connEmp As ADODB.Connection  
Dim rsEmp As ADODB.Recordset
```

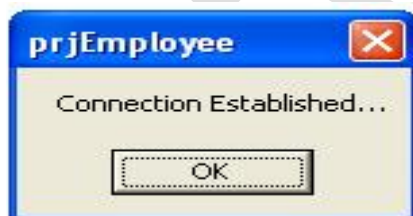
20. Double click the form, it loads the Form ☐ Load event and enter the following code.

```
Set con = New ADODB.Connection  
  
con.Open " Provider=MSDAORA.1; Password=system; User  
ID=system; Data Source=orcl; Persist Security Info=True  
"  
  
con.CursorLocation = adUseClient
```

21. Your code is look like as below:

```
Dim connEmp As ADODB.Connection  
Dim rsEmp As ADODB.Recordset  
Private Sub Form_Load()  
    Set connEmp = New ADODB.Connection  
    connEmp.Open "Provider=MSDAORA.1;Password=baba;User ID=baba;Data Source=IBMREC;Persist Security Info=1  
    connEmp.CursorLocation = adUseClient  
    MsgBox "Connection Established..."  
End Sub  
|
```

22. Run the program by clicking the Start button (or) by pressing F5 button. If your code is correct, then the program will display the following message box.



23. Double click the Reset button and enter the following code.

```
Set rs=new adodb.recordset  
Rs.open "select * from  
hotel",con,adopenkeyset,adlockoptimistic,adcmdtxt  
rs.addnew  
Txtclear  
Text1.setfocus
```

24. Double click the Delete button and enter the following code.

```
On Error Resume Next  
Set rs = New ADODB.Recordset  
rs.Open "select * from hotel", con, adOpenKeyset,  
adLockOptimistic, adcmdtxt  
If rs.EOF Then  
MsgBox "No Records!!"  
Else  
rs.Delete  
MsgBox "Record Deleted!!"  
rs.MoveNext  
displaytext  
End If
```

25. Double click the First button and enter the following code.

```
rs.MoveFirst  
displaytext
```

26. Double click the Next button and enter the following code.

```
rs.MoveNext  
If Not rs.EOF Then  
displaytext  
Else  
MsgBox "End Of The Record"  
End If
```

27. Double click the Save button and enter the following code.

```
rs(0).Value = Text1.Text  
rs(1).Value = Text2.Text  
rs(2).Value = Text3.Text  
rs(3).Value = Text4.Text  
rs(4).Value = Text5.Text  
rs(5).Value = Text6.Text  
rs(6).Value = Text7.Text  
rs(7).Value = Text8.Text
```

```
rs(8).Value = Text9.Text
rs(9).Value = Text10.Text
rs(10).Value = Text11.Text
rs(11).Value = Text12.Text
rs.Update
MsgBox "Record updated!!"
```

Functions

TO CLEAR THE TEXT IN TEXT BOX:

```
Sub txtclear()
Text1.Text = " "
Text2.Text = " "
Text3.Text = " "
Text4.Text = " "
Text5.Text = " "
Text6.Text = " "
Text7.Text = " "
Text8.Text = " "
Text9.Text = " "
Text10.Text = " "
Text11.Text = " "
Text12.Text = " "
End Sub
```

DISPLAY FUNCTION:

```
Sub displaytext()
```

```
Text1.Text = rs(0).Value  
Text2.Text = rs(1).Value  
Text3.Text = rs(2).Value  
Text4.Text = rs(3).Value  
Text5.Text = rs(4).Value  
Text6.Text = rs(5).Value  
Text7.Text = rs(6).Value  
Text8.Text = rs(7).Value  
Text9.Text = rs(8).Value  
Text10.Text = rs(9).Value  
Text11.Text = rs(10).Value  
Text12.Text = rs(11).Value  
End Sub
```

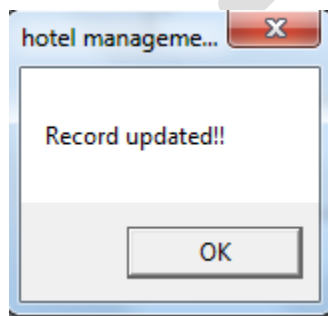
28. Run the program and enter the values.

HOTEL MANAGEMENT

FIRST NAME	<input type="text" value="chahat"/>	TYPE OF ROOM	<input type="text" value="deluxe"/>
LAST NAME	<input type="text" value="agarwal"/>	NATIONALITY	<input type="text" value="indian"/>
AGE	<input type="text" value="18"/>	A/C REQUIRED OR NOT	<input type="text" value="yes"/>
SEX	<input type="text" value="male"/>	NO OF PEOPLE	<input type="text" value="7"/>
PHONE NUMBER	<input type="text" value="34322"/>	OCCUPATION	<input type="text" value="student"/>
DATE OF ENTRY	<input type="text" value="27-09-15"/>	NO OF DAYS	<input type="text" value="2"/>

Adodc1

29. Click the Save button, the program displays the following Message box.



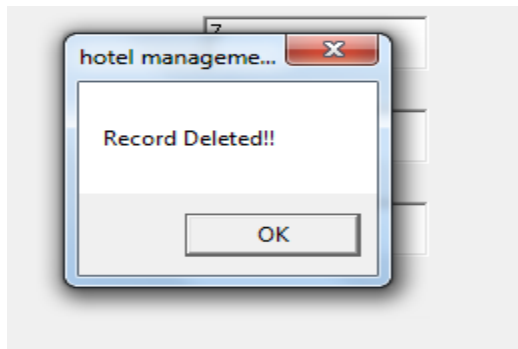
30. To see whether the values get stored in the database or not, enter into the SQL, and type select * from hotel; ,the SQL displays the inserted record values.

```
SQL> select * from hotel;
```

FNAME	LNAME	AGE	SEX	PHONENUMBER	DATEOFENTR	
TYPEOFROOM	NATIONALIT	AC	NOOFPEOPLE	OCCUPATION	NODAYS	
chahat	agarwal	18	male	34322	27-09-15	
deluxe	indian	yes	7	student		2

```
SQL> |
```

31. If you want to delete click Delete button, then it will display the following confirmation Message box.



32. If you want to Reset click Reset button, then it will display reset all the fields.

HOTEL MANAGEMENT

FIRST NAME	<input type="text"/>	TYPE OF ROOM	<input type="text"/>
LAST NAME	<input type="text"/>	NATIONALITY	<input type="text"/>
AGE	<input type="text"/>	A/C REQUIRED OR NOT	<input type="text"/>
SEX	<input type="text"/>	NO OF PEOPLE	<input type="text"/>
PHONE NUMBER	<input type="text"/>	OCCUPATION	<input type="text"/>
DATE OF ENTRY	<input type="text"/>	NO OF DAYS	<input type="text"/>

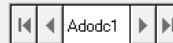
RESET

SAVE

NEXT

DELETE

FIRST



Complete Code

```
Dim con As New ADODB.Connection
Dim rs As New ADODB.Recordset

Private Sub cmdReset_Click()
Set rs=new adodb.recordset
Rs.open "select * from
hotel",con,adopenkeyset,adlockoptimistic,adcmdtxt
rs.addnew
Txtclear
Text1.setfocus
End Sub

Private Sub cmdDelete_Click()
On Error Resume Next
Set rs = New ADODB.Recordset
rs.Open "select * from hotel", con, adOpenKeyset,
adLockOptimistic, adcmdtxt
If rs.EOF Then
MsgBox "No Records!!"
Else
rs.Delete
MsgBox "Record Deleted!!"
rs.MoveNext
displaytext
```

```
End If  
End Sub
```

```
Private Sub cmdFirst_Click()  
rs.MoveFirst  
displaytext  
End Sub
```

```
Private Sub cmdNext_Click()  
rs.MoveNext  
If Not rs.EOF Then  
displaytext  
Else  
MsgBox "End Of The Record"  
End If  
End Sub
```

```
Private Sub cmdSave_Click()  
rs(0).Value = Text1.Text  
rs(1).Value = Text2.Text  
rs(2).Value = Text3.Text  
rs(3).Value = Text4.Text  
rs(4).Value = Text5.Text  
rs(5).Value = Text6.Text  
rs(6).Value = Text7.Text  
rs(7).Value = Text8.Text
```

```
rs(8).Value = Text9.Text
rs(9).Value = Text10.Text
rs(10).Value = Text11.Text
rs(11).Value = Text12.Text
rs.Update
MsgBox "Record updated!!"
End Sub
```

```
Private Sub Form_Load()
Set con = New ADODB.Connection
con.Open " Provider=MSDAORA.1; Password=system; User
ID=system; Data Source=orcl; Persist Security Info=True
"
con.CursorLocation = adUseClient
End Sub
```

```
Sub txtclear()
Text1.Text = " "
Text2.Text = " "
Text3.Text = " "
Text4.Text = " "
Text5.Text = " "
Text6.Text = " "
Text7.Text = " "
Text8.Text = " "
```

```
Text9.Text = " "  
Text10.Text = " "  
Text11.Text = " "  
Text12.Text = " "  
End Sub
```

```
Sub displaytext()  
Text1.Text = rs(0).Value  
Text2.Text = rs(1).Value  
Text3.Text = rs(2).Value  
Text4.Text = rs(3).Value  
Text5.Text = rs(4).Value  
Text6.Text = rs(5).Value  
Text7.Text = rs(6).Value  
Text8.Text = rs(7).Value  
Text9.Text = rs(8).Value  
Text10.Text = rs(9).Value  
Text11.Text = rs(10).Value  
Text12.Text = rs(11).Value  
End Sub
```

Result:

The Hotel Management Project is implemented using SQL Database and Visual Basic.