

```
1 using System;
2 using System.Collections.Generic;
3 using System.ComponentModel;
4 using System.Data;
5 using System.Drawing;
6 using System.Text;
7 using System.Windows.Forms;
8 using System.Data.OleDb;
9
10 namespace OleDb2DataGrid
11 {
12     public partial class Form1 : Form
13     {
14         public Form1 ()
15         {
16             InitializeComponent();
17             filllTable();
18         }
19
20         public void filllTable()
21         {
22             OleDbObject obj = new OleDbObject("classExercise1122009.mdb");
23             DataTable dt = obj.getDataTable("Select * FROM Walls;");
24             dataGridView1.DataSource = dt;
25         }
26     }
27
28     public class OleDbObject
29     {
30         string filePath;
31         OleDbConnection dbConnection;
32         string ConnectionHeader = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=";
33
34
35         public OleDbObject(string p)
36         {
37             filePath = p;
38
39             //initiate oleDb connection
40             createOleDbConnection(ConnectionHeader + filePath);
41         }
42
43         private void createOleDbConnection(string connectionString)
44         {
45             try
46             {
47                 dbConnection = new OleDbConnection(connectionString);
48                 dbConnection.Open();
49             }
50             catch (Exception ex)
51             {
52                 MessageBox.Show(ex.Message);
53             }
54         }
55     }
56 }
```

```
53         return;
54     }
55 }
56
57 public DataTable getDataTable(string queryString)
58 {
59     // initiate OleDbCommand and DataTable
60     OleDbCommand sqlCommand = new OleDbCommand(queryString, dbConnection);
61     DataTable dataTable = new DataTable();
62     OleDbDataAdapter dataAdapter = new OleDbDataAdapter(sqlCommand);
63
64     // fill in the DataTable
65     dataAdapter.Fill(dataTable);
66
67     return dataTable;
68 }
69
70 private int executeSqlCommand(string queryString, OleDbConnection db)
71 {
72     OleDbCommand command = new OleDbCommand(queryString, db);
73
74     // ExecuteNonQuery() : Executes commands such as SQL INSERT,
75     // DELETE, UPDATE, and SET statements.
76     return command.ExecuteNonQuery();
77 }
78
79 }
80 }
```