

Assignment 1:-

Title:-Create an application to manage Employee details and Department details and also perform search operations based on Employee and department.

Description:-

Steps:

1. Create a database named EmpSearchDB and create the table as follows:-

Table Name: Department

Column Name	DataType	Constraints
PKDeptId	int	Yes
DeptName	varchar(50)	No
IsActive	bit	No

Table Name: EmpDetails

Column Name	DataType	Constraints
PKEmpId	int	Yes
FKDeptId	Int	Yes
EmpName	varchar(50)	No
EmpSalary	varchar(50)	No
IsActive	bit	No

2. Create a new form in Windows Application named ManageDept.cs
3. Drag and drop one DataGridView control to the form.
4. Add fields to the Datagridview.
5. To add fields right click on the datagridview ->Edit column->Add->Give Name, Heading and DataPropertyName. DataPropertyName should be same as the database column.
Add all the fields required to display in datagridview-> click on ok
6. Design the form as follows

The screenshot shows a Windows application window titled "ManageDept". Inside the window, there is a section titled "Manage Department Details". This section contains a DataGrid with two columns: "DeptName" and "IsActive". The first row of the DataGrid has an asterisk (*) in the "DeptName" column. To the right of the DataGrid, there are two buttons: "Edit" and "Delete". Below the DataGrid, there is a dashed box containing a "Dept Name" label and a text box, an "IsActive" label and a checkbox, and two buttons: "Save" and "Update".

Control	Text	Name	Additional Properties
DataGridView		dgDept	
Button1	Edit	btnEdit	
Button2	Delete	btnDelete	
Label1	Dept Name	lblDeptName	
TextBox1		txtDeptName	
Label2	IsActive	lblIsActive	
CheckBox		chkIsActive	
Button3	Save	btnSave	
Button4	Update	btnUpdate	

- Handle the click event of save button which is used to save the record in Department table.
- Handle the click event of Edit, Update and Delete buttons.
- Add a new form to the project named EmployeeDetails.cs.
- Drag and drop one DataGridView control to the form.

- Add fields to the Datagridview.
- To add fields right click on the datagridview ->Edit column->Add->Give Name, Heading and DataPropertyName. DataPropertyName should be same as the database column.

Add all the fields required to display in datagridview-> click on ok

- Design the form as follows

- Handle the click event of the Save button, Edit, Update and Delete buttons
- The click event of the search button to perform search operations
- Add the new form to the project named EmpMDIParent.cs.
- Handle the click event of manageEmployeeToolStripMenuItem.
- Add the EmpDetails() constructor in that write code to opens the connection of select command of DataAdapter referenced by 'da'.
- Write a Bind() method to Datagridview with EmpDetails table.
- In the btn_save_click() button write code to save the record.
- Handle click event of Edit button and add the code for to get the row index of the selected row in the data gridview and display the values.
- Handle the click event btnupdate_click() and delete buttons and write code and use the command parameters to update and delete form data grid view.

- In the page_Load() event write code to bind the department search combobox.
- Bind the datatable to combobox.
- And also code to get intellisense to textbox based on the letter typed.
- Select the form → Properties →

IsMdiContainer: True

Text : EmpMDIParent

WindowState : Maximized

Name : EmpMDIParent

- Drag and drop MenuStrip on to the form.
- ToolStripMenu1 → Properties →

Name : manageEmployeeToolStripMenuItem

Text : Manage Employee ToolStripMenu2 → Properties →

Name : manageDepartmentToolStripMenuItem

Text : Manage Department

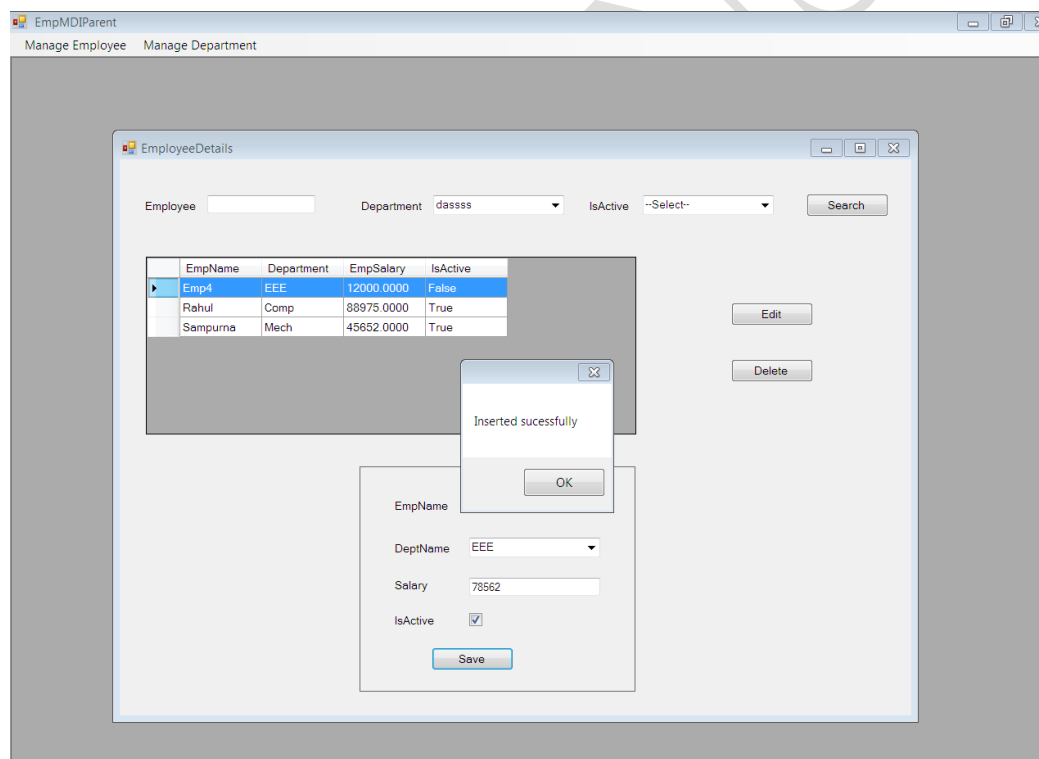
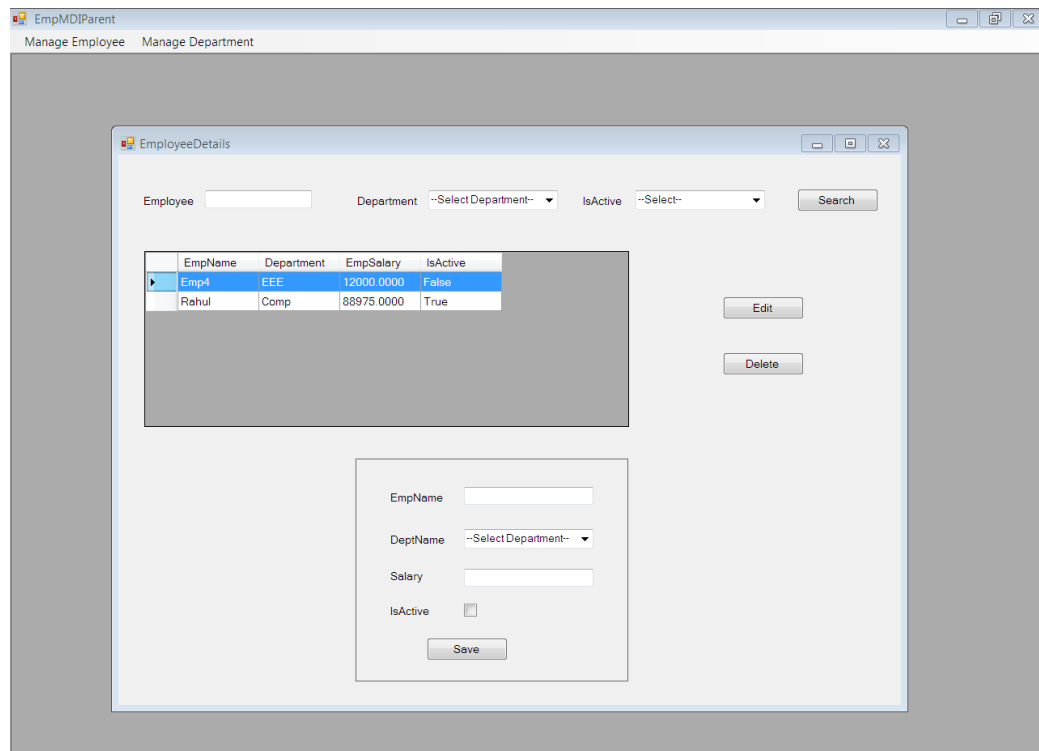
ToolStripMenu2 → Properties →

Name : manageDepartmentToolStripMenuItem

Text : Manage Department

- Handle the event of manageEmployeeToolStripMenuItem_Click() event to allow only one form to be opened even though the toolstrip is clicked many times.
- And also raise the event of frmMngEmp_FormClosed() to close the form when the user closes the form
- To allow only one form to be opened even though the toolstrip is clicked many times.
- To close the form when the user closes the form.
- Now run the application.

Sample I/O:-



EmpMDIParent

Manage Employee Manage Department

EmployeeDetails

Employee Department: dassss IsActive: --Select-- Search

EmpName	Department	EmpSalary	IsActive
Emp4	EEE	12000.0000	False
Rahul	Comp	88975.0000	True
Sampurna	Mech	45652.0000	True
Renuka	EEE	78562.0000	True

Edit

Delete

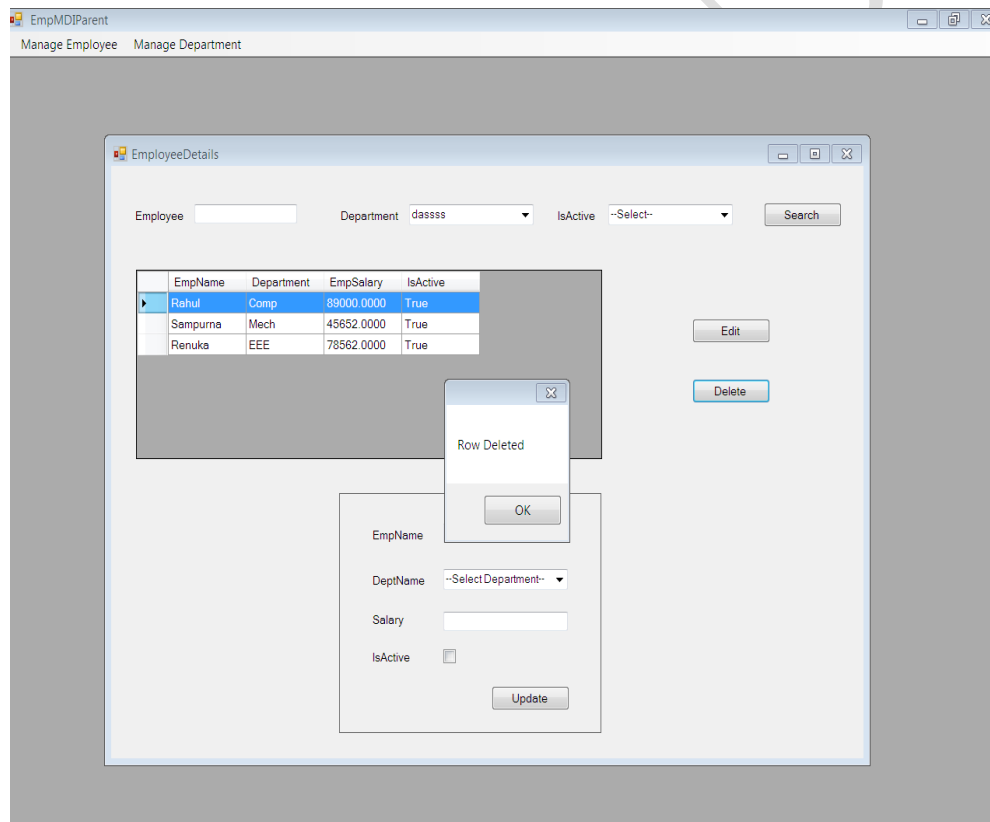
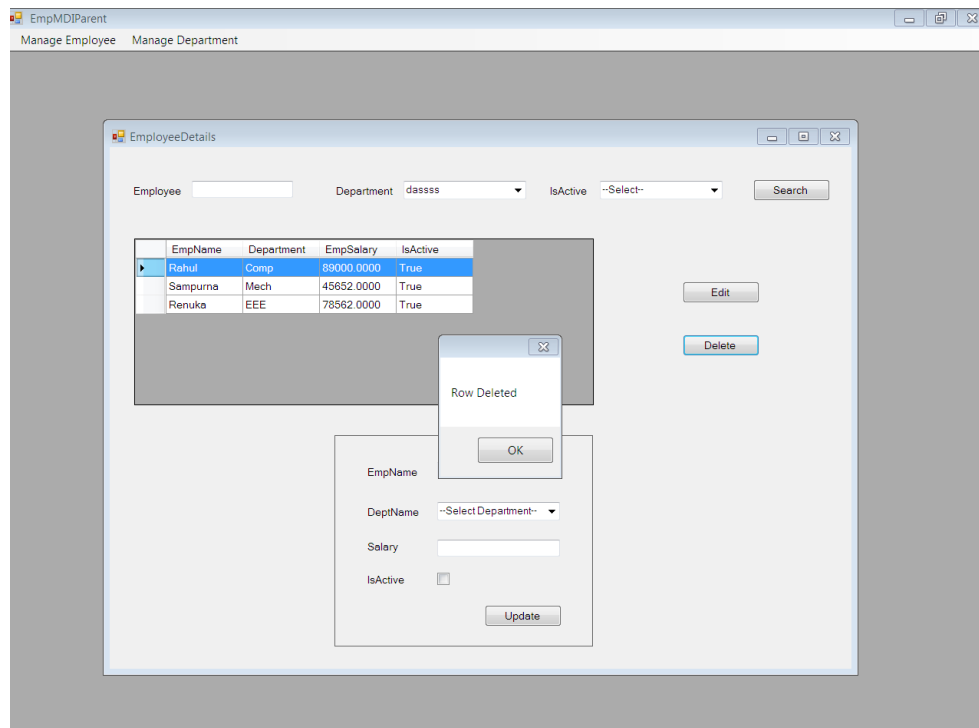
EmpName: Rahul

DeptName: Comp

Salary: 89000.0000

IsActive: ☒

Update



EmpMDIParent

Manage Employee Manage Department

EmployeeDetails

Employee Department IsActive

EmpName	Department	EmpSalary	IsActive
Emp4	EEE	12000.0000	False
Rahul	Comp	88975.0000	True
Sampurna	Mech	45652.0000	True

EmpName

DeptName

Salary

IsActive ☒