

# CIS 284 Exercise 2 – EmployeeApp

Create a class named *Employee* with properties for *Name*, *Phone*, *MonthlySalary*, and *AnnualSalary*. Include a constructor that initializes the object with name, phone, and monthly salary values, and a method named *Raise* that gives the employee a 10% raise. (Raise method should not return a value) The annual salary is 12 times the monthly salary. Throw an exception when a negative salary is assigned to *MonthlySalary*.

Create an app that populates an array of *Employee* objects using an array initializer. Display the employee objects on the form, as shown below. The salaries need not be formatted as currency. Handle all exceptions in the form using *Try Catch*.

The screenshot shows a Windows application window titled "Employees". It contains a DataGrid with 5 columns: Name, Phone, MonthlySalary, and AnnualSalary. The first row is selected, showing Tom Thompson with a monthly salary of \$1,100.00 and an annual salary of \$13,200.00. Below the grid, there are four labels with corresponding text boxes: Name (Tom Thompson), Phone ((618) 555-4444), Monthly Salary (\$1,100.00), and Annual Salary (\$13,200.00). At the bottom, there are four buttons: First, Previous, Next, and Last, and a large button labeled "Give everyone a 10% raise".

	Name	Phone	MonthlySalary	AnnualSalary
▶	Tom Thompson	(618) 555-4444	\$1,100.00	\$13,200.00
	Georgia Kenedy	(618) 555-5836	\$1,320.00	\$15,840.00
	Pete Peterson	(618) 555-4327	\$1,188.00	\$14,256.00
	Meredith Jones	(618) 555-1180	\$1,795.00	\$21,540.00
	Jean Cummings	(618) 555-2195	\$1,716.00	\$20,592.00
	Michael Robbins	(618) 555-5443	\$1,200.00	\$14,400.00
	Polly Marks	(618) 555-1075	\$1,520.00	\$18,240.00

Name: Tom Thompson  
Phone: (618) 555-4444  
Monthly Salary: \$1,100.00  
Annual Salary: \$13,200.00

First Previous Next Last

**Give everyone a 10% raise**

The first employee in the array initially appears in the labels below the grid. Navigation buttons allow movement forward and backward through the employees in the array. A *DataGridView* control displays the entire array. A *BindingSource* control synchronizes the data grid with the navigation buttons so that the employee appearing below the grid is always the same as the employee selected in the grid.

The *Raise* button gives all employees a raise by calling the *Raise* method on each employee object.