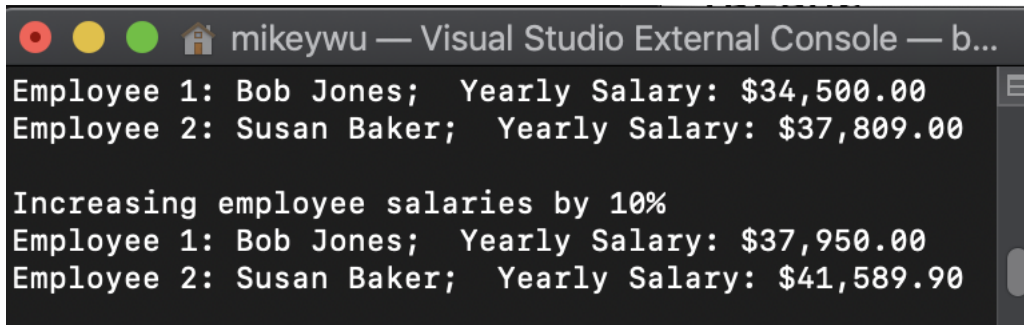


Employee Class

- 1) Modify the class *Employee* that includes three pieces of information as public auto-implemented properties— use PascalCase for your naming convention:
 - a) a first name (type *string*) and
 - i) (the first name property must keep the *set* accessor hidden from outside,
 - ii) but the *get* accessor can be access everywhere)
 - b) a last name (type *string*)
 - i) (the last name property must encapsulate the *set* accessor,
 - ii) but the *get* accessor can be accessed anywhere).
- 2) Also, add a public *Monthly Salary* property that
 - a) Uses a *private* field named *_monthlySalary* to store monthly salary (*decimal*) and
 - b) Can only assign positive and zero values into the monthly salary field;
- 3) The *Employee* class should have a constructor that initializes the three values via the properties.
- 4) In addition, add a public *Annual Salary* property that only gets the annual salary by multiplying the value from the Monthly Salary property by 12.
- 5) Modify the test app *EmployeeTest*'s main method that demonstrates class *Employee*'s capabilities.
 - a) Create two *Employee* objects:
 - i) The first employee's first name is Bob, the last name is Jones, and the monthly salary is \$2875.
 - ii) The second employee's first name is Susan, the last name is Baker, and the monthly salary is \$3150.75.
 - iii) **Display Both employees** –
 - (1) The first line contains employee 1's first name, employee 1's last name, and employee 1's annual salary in this order.
 - (2) The second line contains employee 2's first name, employee 2's last name, and employee 2's annual salary in this order.
 - iv) Then give each *Employee* a 10% raise and then
 - v) **Display Both employees** (see above).
- 6) Make sure all your unit tests for *Employee* passes.
 - a) *TestEmployeeClass* that tests the structure of the *Employee* class;
 - b) *TestEmployeeObject* that tests the behaviors and states of the *Employee* instances; and
 - c) *TestEmployeeProgram* that tests the program by feeding test cases and asserting against known outputs.



```
mikeywu — Visual Studio External Console — b...  
Employee 1: Bob Jones; Yearly Salary: $34,500.00  
Employee 2: Susan Baker; Yearly Salary: $37,809.00  
  
Increasing employee salaries by 10%  
Employee 1: Bob Jones; Yearly Salary: $37,950.00  
Employee 2: Susan Baker; Yearly Salary: $41,589.90
```