Assignment 8 (Winter 2017)

Write the code to implement this class. You MUST use the data and method names given as well as the types provided. You may implement the internal parts of the methods as you see fit. A (-) indicates that the data or method type is private. A (+) indicates that the data or method type is public. Your methods must be instance methods. The type indicates the return type, the parameter type or the data type, depending on where it occurs. You must use the constructors with fewer parameters to code the constructors with more parameters. We will work some of this in class.

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| Class: Employee |
| (-) surName : String(-) givenName : String(-) birthYear : int(-) birthMonth : int(-) birthDay : int(-) streetAddress : String(-) city : String(-) state : String(-) zipCode : String(-) phoneNumber : String(-) jobTitle : String(-) salary : double | Last name of employeeFirst name of employeeYearMonthDayAddress Ex: “123 My Street”City Ex: SeattleState Ex: WAZip Code Ex: 98124Phone number Ex: 2536575431Name of position Ex: SupervisorAnnual Pay Ex: 75000.0 |

Constructors

|  |  |
| --- | --- |
| Employee(surName, givenName)Employee(surName, givenName, birthYear, birthMonth, birthDay)Employee(surName, givenName, birthYear, birthMonth, birthDay, salary) | ConstructorConstructorConstructor |

Accessors (getters)

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| --- | --- |
| (+) getName( ) : String(+) getSurName( ) : String(+) getGivenName( ) : String(+) getBirthDate( ) : String(+) getStreetAddress( ) : String(+) getCity( ) : String(+) getState( ) : String(+) getZipCode( ) : String(+) getPhoneNumber( ) : String(+) getJobTitle( ) : String(+) getSalary( ) : String(+) toString( ) : String(+) equals(otherEmployee) : boolean | Return the name formatted as “surname, given name”Return the surnameReturn the given nameReturn the birth date formatted as YYYY-MM-DD where the YYYY is the 4 digit year, the MM is the 2 digit month, and the DD is the 2 digit day. You must pad with 0’s if needed and you must have the “-“’s .Return the street addressReturn the cityReturn the stateReturn the Zip codeReturn the phone number formatted as (xxx)-xxx-xxxx. Where the x’s represent the digitsReturn the job titleReturn the salary formatted as $xxxxx.xx where the x’s represent the dollars and cents. Cents must be two digits only and you must include the “$” sign.Returns the String containing: The surname, the given name, the address, and the phone number. Where the names are on one line, the address is on three lines (street, city , state and zip) , and the phone number is on one line.Returns true if the employee name (surname and given) and birthdate (year, month, and day) are the same as the other Employee otherwise returns false |

Mutators (setters)

|  |  |
| --- | --- |
| (+) setSurName(String)(+) setGivenName(String)(+) setBirthYear(int)(+) setBirthMonth(int)(+) setBirthDay(int)(+) setStreetAddress(String)(+) setCity(String)(+) setState(String)(+) setZipCode(String)(+) setPhoneNumber(String)(+) setJobTitle(String)(+) setSalary( double)(+) raise(int) | Set or Replace the surnameSet or Replace the given nameSet or Replace the birth yearSet or Replace the birth monthSet or Replace the birth daySet or Replace the street addressSet or Replace the citySet or Replace the stateSet or Replace the Zip codeSet or Replace the phone numberSet or Replace the job titleSet or Replace the salaryChange the salary to reflect the raise as an increase of the given percent. The percent is in integer form where 100 is 100 percent. |