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 employee  First name of employee  Year  Month  Day  Address Ex: “123 My Street”  City Ex: Seattle  State Ex: WA  Zip Code Ex: 98124  Phone number Ex: 2536575431  Name of position Ex: Supervisor  Annual Pay Ex: 75000.0 |

Constructors

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

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 surname  Return the given name  Return 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 address  Return the city  Return the state  Return the Zip code  Return the phone number formatted as (xxx)-xxx-xxxx. Where the x’s represent the digits  Return the job title  Return 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)

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| (+) 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 surname  Set or Replace the given name  Set or Replace the birth year  Set or Replace the birth month  Set or Replace the birth day  Set or Replace the street address  Set or Replace the city  Set or Replace the state  Set or Replace the Zip code  Set or Replace the phone number  Set or Replace the job title  Set or Replace the salary  Change the salary to reflect the raise as an increase of the given percent. The percent is in integer form where 100 is 100 percent. |