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**SalariedEmployee class**

Methods

1. SalariedEmployee

Must test to see if class fields are initialized to their respective parameter values

1. getFirstName

Must test to see if firstname field is initialized with the correct parameter value

1. getLastName

Must test to see if lastname field is initialized with the correct parameter value

1. setName

Must test to see if firstname and lastname fields are correctly set with their respective parameter values

1. getNumber

Must test to see if number field is initialized with the correct parameter value

1. getSalary

Must test to see if salary field is initialized with the correct parameter value

1. setSalary

Must test to see if salary field is correctly set with the appropriate parameter value

1. getBonus

Must test to see if bonus field is initialized with the correct value

1. setBonus

Must test to see if bonus field is correctly set with the appropriate parameter value

1. getAmountEarned

Must test to see if method returns correct value for amount earned, which is employee salary + bonus

1. adjustPay

Must test to see if method adjusts the employee salary correctly based on parameter value

1. toString

Must test to see if toString method is overridden, which should return a string in the form of "number: last name, first name, Salaried Employee"

1. equals

Must test to see if equals method is overridden, comparing to see if two SalariedEmployee objects are equal to each other

1. compareToByName

Must test to see the alphabetical order of the employee name compared to the parameter name when both names are equal, when both last names are not equal, and when both last names are equal but both first names are not equal.

1. compareToByEarnings

Must test when employee earning value is equal to, greater than, and less than the parameter earning value

1. setSupervisor

Must test to see if a salaried, hourly, and sales supervisor can be set correctly

1. getSupervisor

Must test to see if a supervisor object is correctly returned from the supervisor field

**HourlyEmployee class**

Methods

1. HourlyEmployee

Must test to see if class fields are initialized to their respective parameter values

1. getFirstName

Must test to see if firstname field is initialized with the correct parameter value

1. getLastName

Must test to see if lastname field is initialized with the correct parameter value

1. setName

Must test to see if firstname and lastname fields are correctly set with their respective parameter values

1. getNumber

Must test to see if number field is initialized with the correct parameter value

1. getHourlyRate

Must test to see if hourlyrate field is initialized with the correct parameter value

1. setHourlyRate

Must test to see if hourlyrate field is correctly set with the appropriate parameter value

1. getHoursWorked

Must test to see if hoursworked field is initialized with the correct parameter value

1. setHoursWorked

Must test to see if hoursworked field is correctly set with the appropriate parameter value

1. getBonus

Must test to see if bonus field is initialized with the correct value

1. setBonus

Must test to see if bonus field is correctly set with the appropriate parameter value

1. getAmountEarned

Must test to see if method returns correct value for amount earned, which is employee hourlyrate \* hoursworked + bonus

1. adjustPay

Must test to see if method adjusts the employee hourly rate correctly based on parameter value

1. toString

Must test to see if toString method is overridden, which should return a string in the form of "number: last name, first name, Hourly Employee"

1. equals

Must test to see if equals method is overridden, comparing to see if two HourlyEmployee objects are equal to each other

1. compareToByName

Must test to see the alphabetical order of the employee name compared to the parameter name when both names are equal, when both last names are not equal, and when both last names are equal but both first names are not equal.

1. compareToByEarnings

Must test when employee earning value is equal to, greater than, and less than the parameter earning value

1. setSupervisor

Must test to see if a salaried, hourly, and sales supervisor can be set correctly

1. getSupervisor

Must test to see if a supervisor object is correctly returned from the supervisor field

**SalesEmployee class**

Methods

1. SalesEmployee

Must test to see if class fields are initialized to their respective parameter values

1. getFirstName

Must test to see if firstname field is initialized with the correct parameter value

1. getLastName

Must test to see if lastname field is initialized with the correct parameter value

1. setName

Must test to see if firstname and lastname fields are correctly set with their respective parameter values

1. getNumber

Must test to see if number field is initialized with the correct parameter value

1. getSalary

Must test to see if salary field is initialized with the correct parameter value

1. setSalary

Must test to see if salary field is correctly set with the appropriate parameter value

1. getCommission

Must test to see if commission field is initialized with the correct parameter value

1. setCommission

Must test to see if commission field is correctly set with the appropriate parameter value

1. getNumSales

Must test to see if sales field is initialized with the correct parameter value

1. setNumSales

Must test to see if sales field is correctly set with the appropriate parameter value

1. getBonus

Must test to see if bonus field is initialized with the correct value

1. setBonus

Must test to see if bonus field is correctly set with the appropriate parameter value

1. getAmountEarned

Must test to see if method returns correct value for amount earned, which is employee salary + bonus + commission \* numsales

1. adjustPay

Must test to see if method adjusts the employee commission correctly based on parameter value

1. toString

Must test to see if toString method is overridden, which should return a string in the form of "number: last name, first name, Sales Employee"

1. equals

Must test to see if equals method is overridden, comparing to see if two SalesEmployee objects are equal to each other

1. compareToByName

Must test to see the alphabetical order of the employee name compared to the parameter name when both names are equal, when both last names are not equal, and when both last names are equal but both first names are not equal.

1. compareToByEarnings

Must test when employee earning value is equal to, greater than, and less than the parameter earning value

1. setSupervisor

Must test to see if a salaried, hourly, and sales supervisor can be set correctly

1. getSupervisor

Must test to see if a supervisor object is correctly returned from the supervisor field

**SalariedSupervisor class**

Methods

1. SalariedSupervisor

Must test to see if class fields are initialized to their respective parameter values

1. getFirstName

Must test to see if firstname field is initialized with the correct parameter value

1. getLastName

Must test to see if lastname field is initialized with the correct parameter value

1. setName

Must test to see if firstname and lastname fields are correctly set with their respective parameter values

1. getNumber

Must test to see if number field is initialized with the correct parameter value

1. getSalary

Must test to see if salary field is initialized with the correct parameter value

1. setSalary

Must test to see if salary field is correctly set with the appropriate parameter value

1. getBonus

Must test to see if bonus field is initialized with the correct value

1. setBonus

Must test to see if bonus field is correctly set with the appropriate parameter value

1. getAmountEarned

Must test to see if method returns correct value for amount earned, which is employee salary + bonus

1. adjustPay

Must test to see if method adjusts the employee salary correctly based on parameter value

1. toString

Must test to see if toString method is overridden, which should return a string in the form of "number: last name, first name, Salaried Supervisor"

1. equals

Must test to see if equals method is overridden, comparing to see if two SalariedSupervisor objects are equal to each other

1. compareToByName

Must test to see the alphabetical order of the employee name compared to the parameter name when both names are equal, when both last names are not equal, and when both last names are equal but both first names are not equal.

1. compareToByEarnings

Must test when employee earning value is equal to, greater than, and less than the parameter earning value

1. setSupervisor

Must test to see if a salaried, hourly, and sales supervisor can be set correctly

1. getSupervisor

Must test to see if a supervisor object is correctly returned from the supervisor field

**HourlySupervisor class**

Methods

1. HourlySupervisor

Must test to see if class fields are initialized to their respective parameter values

1. getFirstName

Must test to see if firstname field is initialized with the correct parameter value

1. getLastName

Must test to see if lastname field is initialized with the correct parameter value

1. setName

Must test to see if firstname and lastname fields are correctly set with their respective parameter values

1. getNumber

Must test to see if number field is initialized with the correct parameter value

1. getHourlyRate

Must test to see if hourlyrate field is initialized with the correct parameter value

1. setHourlyRate

Must test to see if hourlyrate field is correctly set with the appropriate parameter value

1. getHoursWorked

Must test to see if hoursworked field is initialized with the correct parameter value

1. setHoursWorked

Must test to see if hoursworked field is correctly set with the appropriate parameter value

1. getBonus

Must test to see if bonus field is initialized with the correct value

1. setBonus

Must test to see if bonus field is correctly set with the appropriate parameter value

1. getAmountEarned

Must test to see if method returns correct value for amount earned, which is employee hourlyrate \* hoursworked + bonus

1. adjustPay

Must test to see if method adjusts the employee hourly rate correctly based on parameter value

1. toString

Must test to see if toString method is overridden, which should return a string in the form of "number: last name, first name, Hourly Supervisor"

1. equals

Must test to see if equals method is overridden, comparing to see if two HourlySupervisor objects are equal to each other

1. compareToByName

Must test to see the alphabetical order of the employee name compared to the parameter name when both names are equal, when both last names are not equal, and when both last names are equal but both first names are not equal.

1. compareToByEarnings

Must test when employee earning value is equal to, greater than, and less than the parameter earning value

1. setSupervisor

Must test to see if a salaried, hourly, and sales supervisor can be set correctly

1. getSupervisor

Must test to see if a supervisor object is correctly returned from the supervisor field

**SalesSupervisor class**

Methods

1. SalesSupervisor

Must test to see if class fields are initialized to their respective parameter values

1. getFirstName

Must test to see if firstname field is initialized with the correct parameter value

1. getLastName

Must test to see if lastname field is initialized with the correct parameter value

1. setName

Must test to see if firstname and lastname fields are correctly set with their respective parameter values

1. getNumber

Must test to see if number field is initialized with the correct parameter value

1. getSalary

Must test to see if salary field is initialized with the correct parameter value

1. setSalary

Must test to see if salary field is correctly set with the appropriate parameter value

1. getCommission

Must test to see if commission field is initialized with the correct parameter value

1. setCommission

Must test to see if commission field is correctly set with the appropriate parameter value

1. getNumSales

Must test to see if sales field is initialized with the correct parameter value

1. setNumSales

Must test to see if sales field is correctly set with the appropriate parameter value

1. getBonus

Must test to see if bonus field is initialized with the correct value

1. setBonus

Must test to see if bonus field is correctly set with the appropriate parameter value

1. getAmountEarned

Must test to see if method returns correct value for amount earned, which is employee salary + bonus + commission \* numsales

1. adjustPay

Must test to see if method adjusts the employee commission correctly based on parameter value

1. toString

Must test to see if toString method is overridden, which should return a string in the form of "number: last name, first name, Sales Supervisor"

1. equals

Must test to see if equals method is overridden, comparing to see if two SalesSupervisor objects are equal to each other

1. compareToByName

Must test to see the alphabetical order of the employee name compared to the parameter name when both names are equal, when both last names are not equal, and when both last names are equal but both first names are not equal.

1. compareToByEarnings

Must test when employee earning value is equal to, greater than, and less than the parameter earning value

1. setSupervisor

Must test to see if a salaried, hourly, and sales supervisor can be set correctly

1. getSupervisor

Must test to see if a supervisor object is correctly returned from the supervisor field

**EmployeeDatabase class**

Methods

1. EmployeeDatabase

Must test to see if a GenEmployee array is correctly initialized

1. getDatabase

Must test to see if a correct GenEmployee array is returned from the database field

1. setDatabase

Must test to see if the database field is correctly set with a GenEmployee array

1. getGenEmployee

Must test to see if a GenEmployee object is correctly returned from the genemployee field

1. setGenEmployee

Must test to see if the genemployee field is correctly set with a GenEmployee object

1. add

Must test to see if a GenEmployee object is correctly added to an existing EmployeeDatabase object

1. remove

Must test string inputs of lengths 0,1, and more than 1 for each of the three string input parameters

1. find

Must test string inputs of lengths 0,1,and more than 1 for each of the three string input parameters

1. getPayrollAmount

Must test that the method returns the correct payroll amount given the parameter EmployeeDatabase object

1. getMaximumEarned

Must test that employee with maximum amount earned is returned from given parameter EmployeeDatabase object; if the EmployeeDatabase object contains only null objects, a null is returned

1. getMinimumEarned

Must test that employee with minimum amount earned is returned from given parameter EmployeeDatabase object; if the EmployeeDatabase object contains only null objects, a null is returned

1. getMaxSales

Must test that the employee (either Supervisor or Employee) with the most numsales is returned

1. getMinSales

Must test that the employee (either Supervisor or Employee) with the least numsales is returned

1. getMaxedHoursWorked

Must test that the employee (either Supervisor or Employee) with the maximum hours worked is returned

1. getMinHoursWorked

Must test that the employee (either Supervisor or Employee) with the minimum hours worked is returned

1. getSupervisees

Must test that the correct arrays (filled with Employees or Supervisors) are returned for their respective Supervisors