public class Salary {

/\*\*

\* This class calculates the salary

\* @author Reva

\* @version 1.0

\*/

private double basicSalary;

private double hra;

private double da;

private double gs;

private double incomeTax;

private double netSalary;

/\*\*

This constructs basic salary

@param basicSalary

\*/

public Salary(double basicSalary) {

this.basicSalary = basicSalary;

}

/\*\*

\* This method returns the basic salary

\* @return basic salary

\*/

public double getBasicSalary() {

return basicSalary;

}

public void setBasicSalary(double basicSalary) {

this.basicSalary = basicSalary;

}

/\*\*

\* This method returns the hra

\* @return hra

\*/

public double getHra() {

return hra;

}

/\*\*

\* This method returns the Da

\* @return da

\*/

public double getDa() {

return da;

}

/\*\*

\* This method returns the Gs

\* @return Gs

\*/

public double getGs() {

return gs;

}

/\*\*

\* This method returns the Income tac

\* @return Income tax

\*/

public double getIncomeTax() {

return incomeTax;

}

/\*\*

\* This method returns the Net salary

\* @return the net salary

\*/

public double getNetSalary() {

return netSalary;

}

/\*\*

\* This method calculates the salary

\*/

public void calculateSalary() {

hra = 0.1 \* basicSalary;

da = 0.73 \* basicSalary;

gs = basicSalary + da + hra;

incomeTax = 0.3 \* gs;

netSalary = gs - incomeTax;

}

}

import org.junit.jupiter.api.Test;

import static org.junit.jupiter.api.Assertions.\*;

public class SalaryTest {

@Test

public void testCalculateSalary() {

Salary salary = new Salary(10000);

salary.calculateSalary();

assertEquals(1000, salary.getHra());

assertEquals(7300, salary.getDa());

assertEquals(18300, salary.getGs());

assertEquals(5490, salary.getIncomeTax());

assertEquals(12810, salary.getNetSalary());

}

@Test

public void testSetAndGetBasicSalary() {

Salary salary = new Salary(10000);

assertEquals(10000, salary.getBasicSalary());

salary.setBasicSalary(20000);

assertEquals(20000, salary.getBasicSalary());

}

}