import java.util.Scanner;

import java.lang.Math;

public class App

{

/\*

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\* Date: 4/10/2022

\* Description: This program produces various calculations related to U.K. taxes.

\* Version: 1.0

\*/

public static void main(String[] args) throws Exception

{

Scanner input = new Scanner(System.***in***); // Initialises scanner

float salary = 0f; // Annual salary

float taxableincome = 0f; // Taxable income above salary

float taxpaid = 0f; // Tax paid annually

int band = 0;

System.***out***.print("Enter your annual salary (£): ");

salary = input.nextInt(); // User inputs salary

float tempsalary = salary;

if (salary >= 12001f && salary <= 25000f)

{

band = 1;

}

else if (salary > 25000f && salary <= 45000f)

{

band = 2;

}

else if (salary > 45000f)

{

band = 3;

}

while (band != 0)

{

switch (band)

{

case 3:

taxableincome = tempsalary - 45000f;

taxpaid = taxpaid + (taxableincome \* (45f/100f)); // Calculates tax paid annually at rate of 45% for earners above £45000

tempsalary = 45000f;

band = 2;

break;

case 2:

taxableincome = tempsalary - 25000f;

taxpaid = taxpaid + (taxableincome \* (30f/100f)); // Calculates tax paid annually at rate of 30% for earners between £25001 and £45000

tempsalary = 25000f;

band = 1;

break;

case 1:

taxableincome = tempsalary - 12000f;

taxpaid = taxpaid + taxableincome \* (20f/100f); // Calculates tax paid annually at rate of 20% for earners between £12001 and £25000

band = 0;

break;

}

}

float taxedsalary = Math.*round*(salary - taxpaid); // Annual salary after tax

float montaxsal = Math.*round*(taxedsalary / 12f); // Monthly salary after tax

System.***out***.println("Your tax paid for the year is £" + taxpaid + ".");

System.***out***.println("Your total annual salary after tax is £" + taxedsalary + ".");

System.***out***.println("Your monthly salary after tax is £" + montaxsal + ".");

System.*exit*(0);

}

}

Text

Description automatically generated with low confidence