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\*/

import java.util.Scanner;

public class Taxproject

{

public static void main(String[] args)

{

// declare variables

int customerID = 0;

double totalEarnings = 0.0;

double federalTaxesWH = 0.0;

double stateTaxWH = 0.0;

double deductions = 0.0;

double taxableIncome = 0.0;

double federalTax = 0.0;

double stateRefund = 0.0;

double stateTax = 0.0;

double federalRefund = 0.0;

String output = new String ();

// Create a Scanner input object

Scanner input = new Scanner(System.in);

output = "Cust. Taxable Federal State Federal State Federal State \n";

output += "ID Income Deductions Income Tax Tax W/H W/H Refund Refund \n";

output += "===== ====== ========== ======= ======= ===== ======= ===== ======= ====== \n";

//100 $9000 $0 $9000 $0 $0 $2000 $150 $2000 $150

//200 $65000 $5000 $60000 $11500 $805 $12000 $1000 $500 $195

System.out.println(output);

//output += String.format("%3d $%5.0f $%4.0f $%5.0f $%5.0f $%3.0f $%5.0f $%4.0f $%4.0f $%3.0f \n",

//customerID,totalEarnings ,deductions , taxableIncome, federalTax, stateTax,federalTaxesWH,stateTaxWH,federalRefund, stateRefund);

//System.out.println(output);

// Begin first customer

// Get first Customer ID

System.out.println("Enter the first customer ID: ");

customerID = input.nextInt();

while(customerID != -1 )

{

// Get income and withholding information

System.out.println("Enter in your total earning for the year: ");

totalEarnings = input.nextDouble();

System.out.print("Enter in your federal taxes witheld: ");

federalTaxesWH = input.nextDouble();

System.out.println("Enter in your State Tax: ");

stateTaxWH = input.nextDouble();

System.out.println("Enter in your tax deduction amount: ");

deductions = input.nextDouble();

// Calculate taxes due/refunds

taxableIncome = totalEarnings - deductions;

if(taxableIncome <= 10000.0)

{

federalTax = 0;

}

else if(taxableIncome <= 20000.0)

{

federalTax = (taxableIncome - 10000.0)\*0.15;

}

else if(taxableIncome <= 40000.0)

{

federalTax = (taxableIncome - 20000.0) \* 0.2 + 10000.0 \* 0.15;

}

else if(taxableIncome > 40000.0)

{

federalTax = (taxableIncome - 40000.0)\*0.3 + 10000.0 \* 0.15 + 20000.0 \* 0.2;

}

// Calculate refunds(below)

federalRefund += federalTaxesWH - federalTax;

stateRefund += stateTaxWH - stateTax;

// Add data to output String

output += String.format("%3d $%5.0f $%4.0f $%5.0f $%5.0f $%3.0f $%5.0f $%4.0f $%4.0f $%3.0f \n",

customerID,totalEarnings ,deductions , taxableIncome, federalTax, stateTax,federalTaxesWH,stateTaxWH,federalRefund, stateRefund);

//Reinitialize variables

totalEarnings = 0.0;

federalTaxesWH = 0.0;

stateTaxWH = 0.0;

deductions = 0.0;

taxableIncome = 0.0;

federalTax = 0.0;

stateRefund = 0.0;

stateTax = 0.0;

federalRefund = 0.0;

// Get next Customer ID

System.out.println("Enter the Next customer ID: ");

customerID = input.nextInt();

}

// Print out table of data and end program

System.out.println(output);

}

}

Cust. Taxable Federal State Federal State Federal State

ID Income Deductions Income Tax Tax W/H W/H Refund Refund

===== ====== ========== ======= ======= ===== ======= ===== ======= ======

Enter the first customer ID:

101

Enter in your total earning for the year:

65000

Enter in your federal taxes witheld: 12000

Enter in your State Tax:

1500

Enter in your tax deduction amount:

5000

Enter the Next customer ID:

102

Enter in your total earning for the year:

12000

Enter in your federal taxes witheld: 2100

Enter in your State Tax:

200

Enter in your tax deduction amount:

3000

Enter the Next customer ID:

103

Enter in your total earning for the year:

24500

Enter in your federal taxes witheld: 2000

Enter in your State Tax:

400

Enter in your tax deduction amount:

0

Enter the Next customer ID:

104

Enter in your total earning for the year:

38775

Enter in your federal taxes witheld: 8965

Enter in your State Tax:

675

Enter in your tax deduction amount:

2575

Enter the Next customer ID:

105

Enter in your total earning for the year:

17680

Enter in your federal taxes witheld: 2350

Enter in your State Tax:

545

Enter in your tax deduction amount:

1300

Enter the Next customer ID:

106

Enter in your total earning for the year:

10000

Enter in your federal taxes witheld: 2200

Enter in your State Tax:

200

Enter in your tax deduction amount:

2000

Enter the Next customer ID:

107

Enter in your total earning for the year:

40000

Enter in your federal taxes witheld: 10000

Enter in your State Tax:

1235

Enter in your tax deduction amount:

10000

Enter the Next customer ID:

108

Enter in your total earning for the year:

70000

Enter in your federal taxes witheld: 5000

Enter in your State Tax:

400

Enter in your tax deduction amount:

0

Enter the Next customer ID:

-1

Cust. Taxable Federal State Federal State Federal State

ID Income Deductions Income Tax Tax W/H W/H Refund Refund

===== ====== ========== ======= ======= ===== ======= ===== ======= ======

101 $65000 $5000 $60000 $11500 $ 0 $12000 $1500 $ 500 $1500

102 $12000 $3000 $ 9000 $ 0 $ 0 $ 2100 $ 200 $2100 $200

103 $24500 $ 0 $24500 $ 2400 $ 0 $ 2000 $ 400 $-400 $400

104 $38775 $2575 $36200 $ 4740 $ 0 $ 8965 $ 675 $4225 $675

105 $17680 $1300 $16380 $ 957 $ 0 $ 2350 $ 545 $1393 $545

106 $10000 $2000 $ 8000 $ 0 $ 0 $ 2200 $ 200 $2200 $200

107 $40000 $10000 $30000 $ 3500 $ 0 $10000 $1235 $6500 $1235

108 $70000 $ 0 $70000 $14500 $ 0 $ 5000 $ 400 $-9500 $400

BUILD SUCCESSFUL (total time: 9 minutes 8 seconds)