

ASSIGNMENT-1

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Q.1. Employee gets their salary containing a break up like basic pay, da, HRA, MA, TA etc they also have some deduction from their income like TDS, PF, GD etc government of India recently introduced recently a new tax resign and government also ensure that this is the employees discretion whether they want to go for old tax resign and new tax resign. so, employee confused and want to confirm in which tax resign they have more tax savings.

```
import java.util.Scanner;
public class TaxCalculate {
    // Method to calculate the total Payment (HRA, DA, Medical Payment, Family Payment)
    static double Allow(double basicSal) {
        return (basicSal * 0.04) + (basicSal * 0.07) + (basicSal * 0.02) + (basicSal * 0.02);
    }

    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);

        System.out.print("Enter basic pay: ");
        double basicSal = scan.nextDouble();
        // Allow method
        double Payment = Allow(basicSal);

        double netIncome = (basicSal + Payment) * 12;

        double Gratuity = netIncome * 0.03;

        double tds = netIncome * 0.04;

        System.out.println("\n' + "Your toal Income " + netIncome + '\n');

        // Calculating the Tax in old slab
        double taxOld = 0.0;
        if (netIncome >= 250000 && netIncome < 500000) {

            taxOld = netIncome * 0.05;
        } else if (netIncome >= 500000 && netIncome < 750000) {
```

```
taxOld = 0.1 * netIncome;
} else if (netIncome >= 750000 && netIncome < 1000000) {

    taxOld = 0.15 * netIncome;
} else if (netIncome >= 1000000 && netIncome < 12500000) {

    taxOld = 0.2 * netIncome;
} else if (netIncome >= 12500000 && netIncome < 15000000) {

    taxOld = 0.25 * netIncome;
} else {

    taxOld = 0.3 * netIncome;
}

// Calculate total deductions under old tax design
double totalDeductionsOld = taxOld + tds + Gratuity;
System.out.println("Total deduction Old " + totalDeductionsOld);

// Calculate net netIncome under old tax design
double netIncomeOld = netIncome - totalDeductionsOld;

// Calculating tax in New slab
double taxNew = 0.0;
if (netIncome < 300000) {
    taxNew = 0 * netIncome;
} else if (netIncome >= 300000 && netIncome < 600000) {
    taxNew = 0.05 * netIncome;
} else if (netIncome >= 600000 && netIncome < 900000) {
    taxNew = 0.1 * netIncome;
} else if (netIncome >= 900000 && netIncome < 1200000) {
    taxNew = 0.15 * netIncome;
} else if (netIncome >= 1200000 && netIncome < 1500000) {
    taxNew = 0.2 * netIncome;
} else
    taxNew = 0.3 * netIncome;

// Calculating total deductions under new tax design
double totalDeductionsNew = taxNew + tds + Gratuity;
System.out.println("Total deduction New " + totalDeductionsNew);

// Calculating net netIncome under new tax design
double netIncomeNew = netIncome - totalDeductionsNew;
```

```
// Printing both the tax design
System.out.println('\n' + "Net income in old tax design: " + netIncomeOld);
System.out.println("Net income in new tax design: " + netIncomeNew + '\n');
```

```
// Compare and display results
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```
System.out.println();
```

```
if (netIncomeOld > netIncomeNew) {
```

```
    System.out.println("You have more net income in the old tax design.");
```

```
} else {
```

```
    System.out.println("You have more net income in the new tax design.");
```

```
}
```

```
}
```

```
}
```

