```
//Name-Tasfique
//Student ID-5886429
//Task1
package labtask3;
import java.util.Scanner;

public class Task1 {
    public static void main(String[] args) {
        //declaration of variables
        double price, order, under = 0;
        Scanner read = new Scanner (System.in);

        //inputting data
        System.out.println("Enter unit price: RM");
        price = read.nextDouble();
        System.out.println("Enter quantity ordered: ");
        order = read.nextDouble();

        //calculation
        if(order<=100){
            double less = price*1;
            under = less*order;
            System.out.println("Total cost: RM"+under);
         }else{
            double more = price*0.75;
            double orderover100 = order-100;
            double over = more*orderover100;
```

```
            double orderunder100 = (order - orderover100);
            double under1 = price*orderunder100;
            double finaloutput = (over+under1);

            System.out.println("Total cost: RM"+finaloutput);

        }

    }

}
```

```
//Name-Tasfique
//Student ID-5886429
//Task2
package labtask3;
import java.util.Scanner;

public class Task2 {
    public static void main(String[] args) {
        //declaration of variables
        double rate, hours, grosspay, tax = 0, netpay = 0;
        Scanner read = new Scanner (System.in);

        System.out.println("Employee Salary Calculation");
        System.out.println("---------------------------");
```

```
System.out.println("Enter the following details:");

//inputting data
System.out.println("Hourly Pay Rate: ");
rate = read.nextDouble();
System.out.println("Hours Worked: ");
hours = read.nextDouble();

//calculation
grosspay = rate*hours;
if(grosspay<=3000){
   tax = grosspay*0.10;
   netpay = grosspay-tax;

 }else if(grosspay>3000 && grosspay<=4000) {
    tax = grosspay*0.12;
    netpay = grosspay-tax;

 }else if(grosspay>4000 && grosspay<=5000) {
     tax = grosspay*0.15;
     netpay = grosspay-tax;

 }else if(grosspay>5000) {
     tax = grosspay*0.20;
     netpay = grosspay-tax;
```

```
        }
        System.out.println("Payment details:");
        System.out.println("Gross Pay             RM:"+grosspay);
        System.out.println("Withholding Tax Amount RM:"+tax);
        System.out.println("Net Pay               RM:"+netpay);

    }

}


//Name-Tasfique
//Student ID-5886429
//Task3
package labtask3;
import java.util.Scanner;

public class Task3 {
    public static void main(String[] args) {
        //declaration of variables
        int number = 0;
        int sum = 0;
        Scanner read = new Scanner (System.in);

        //inputting data
        System.out.println("Enter a positive integer: ");
        number = read.nextInt();
```

```
        //calculation
       while ( number < 0){
          System.out.println("You have entered an invalid value!!!");
          System.out.println("Enter a positive integer: ");
          number = read.nextInt();
       }
       for (int i =1; i<= number; i++)
       {
          sum += i;
       }
       System.out.println("The sum of all numbers from 1 to "+number+" is
"+sum);




    }

}



//Name-Tasfique
//Student ID-5886429
//Task4
package labtask3;
import java.util.Scanner;

public class Task4 {
```

```
    @SuppressWarnings("empty-statement")
    public static void main(String[] args) {
        //declaration of variable
        double mem = 2500;
        double increase = 0.04;
        Scanner read = new Scanner (System.in);

        //inputting data
        System.out.println("The current rate is RM2500");
        System.out.println("The projected rate for the next six years :");

       //calculation
      for (int i = 1; i < 7; i++){
          mem = mem + (mem * increase);
            System.out.println("Year "+i+" : "+mem);
      }









    }

}
```