

**King Saud University**  
**College of Computer & Information Science**  
**CSC111**  
**Java -If Statement- Lab**

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Exercise 1:

Write a java program that counts the commission of a salesman as following:

If the Total Sales is equal or grater than 1000 the commission rate will be 8% otherwise it will be 0.

Your program should ask the user to enter the total sales and then print the total commission.

Example:

```
Please Enter the total sales:
1200
The commission is: 96
```

Answer:

```
import java.util.Scanner;

public class salesman {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        double CommissionRate=0.0;
        double TotalSales, Commission;

        Scanner Read = new Scanner (System.in);

        System.out.println("Please enter total sales ");

        TotalSales=Read.nextDouble();

        if (TotalSales>=1000)
            CommissionRate=0.08;

        Commission = CommissionRate * TotalSales;
```

```

        System.out.println("The Commission is: "+ Commission);
    }
}

```

## Exercise 2:

Modify your program in exercise1 to calculate the commission as following:

Total Sales	Commission rate
Less than 500	0
Grater than or equal 500	5%
Grater than or equal 1000	8%

Answer:

```

import java.util.Scanner;

public class Salesman2 {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        double CommissionRate;
        double TotalSales, Commission;

        Scanner Read = new Scanner (System.in);

        System.out.println("Please enter total sales ");

        TotalSales=Read.nextDouble();

        if (TotalSales<500)
            CommissionRate=0.0;

        else if (TotalSales>=500 && TotalSales <1000)
            CommissionRate=0.05;
        else
            CommissionRate=0.08;

        Commission = CommissionRate * TotalSales;
        System.out.println("The Commission is: "+ Commission);
    }

}

```

### Exercise 3:

Create a class Sales that has TotalSales (double), Commission (double), CommissionRate (double), and NoOfItems (Integer).

Sales
+ ToatalSales: double + Commission: double + CommissionRate: double + NoOfItems: int

Then write a java application that asks the user to enter the Total Sales and the number of items the calculate the commission and print it out.

The commission rate should be as following:

Condition	Commission rate
Less than 500	0
Grater than or equal 500 or number of items >=5	5%
Grater than or equal 1000 or number of items >=10	10%

### Example:

```
Please enter Total Sales
600
Please enter the number of items
12

Total commission is:  60.0
```

Answer:

```
public class Sales {

    double TotalSales;
    double CommissionRate ;
    double Commission ;
    int NoOfItems ;

}

import java.util.Scanner;

public class testsales {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        Scanner Read = new Scanner (System.in);

        Sales s1 = new Sales ();
        s1.CommissionRate=0.0;

        System.out.println("please enter Total Sales ");

        s1.TotalSales=Read.nextDouble();
        System.out.println("Please enter the number of items ");
        s1.NoOfItems=Read.nextInt();

        if (s1.TotalSales >= 500 || s1.NoOfItems>=5 )
            s1.CommissionRate=0.05;

        if (s1.TotalSales>=1000 || s1.NoOfItems>=10)
            s1.CommissionRate=0.10;

        s1.Commission=s1.TotalSales*s1.CommissionRate;

        System.out.println("Total commission is: "+s1.Commission);

    }

}
```