

**/\*1. Write a java application to accept two strings. Compare and display message whether the strings are same or not. \*/**

**//Method 1**

```
import java.util.Scanner;

class StringCompare{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

System.out.println();

System.out.print("Enter 1st String ::");

String str1=new String(s.nextLine()); //String str1=s.nextLine();

//System.out.println(str1);

System.out.print("Enter 2nd String ::");

String str2=new String(s.nextLine()); //String str2=s.nextLine();

//System.out.println(str2);

System.out.println("Comparing Strings with boolean equals.....");

if (str1.equals(str2))

System.out.println("Strings are same");

else

System.out.println("Strings are not same");

System.out.println("Comparing Strings with boolean equalsIgnoreCase....");

if (str1.equalsIgnoreCase(str2))

System.out.println("Strings found same");

else

System.out.println("Strings found not same");

} //Close of main
```

**}//Close of class**

## **//OUTPUT**

Enter 1st String ::hello java

Enter 2nd String ::HELLO JAVA

Comparing Strings with boolean equals.....

Strings are not same

Comparing Strings with boolean equalsIgnoreCase....

Strings found same

Enter 1st String ::HELLO JAVA

Enter 2nd String ::HELLO JAVA

Comparing Strings with boolean equals.....

Strings are same

Comparing Strings with boolean equalsIgnoreCase....

Strings found same

**/\*1.Write a java application to accept two strings. Compare and display message whether the strings are same or not. \*/**

## **//Method 2**

import java.util.Scanner;

class CompareString{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

System.out.println();

```
System.out.print("Enter 1st String ::");  
String str1=s.nextLine().toUpperCase();  
//System.out.println(str1);  
System.out.print("Enter 2nd String ::");  
String str2=s.nextLine().toUpperCase();  
//System.out.println(str2);  
System.out.println("Compairing Strings with boolean equals.....");  
if (str1.equals(str2))  
System.out.println("String are same");  
else  
System.out.println("String are not same");  
//Close of main  
//Close of class
```

### **//OUTPUT**

```
Enter 1st String ::WELCOME IN JAVA  
Enter 2nd String ::WELCOME IN JAVA  
Compairing Strings with boolean equals.....  
String are same
```

**/\*2. Write a java application to accept surname of two clients, compare and display whether the surnames are same or not. \*/**

```
import java.util.Scanner;  
class CompareSurName{  
public static void main(String args[]){
```

```
Scanner s=new Scanner(System.in);

System.out.println();

System.out.print("Enter surname of 1st Client ::");

String surName1=s.nextLine().toUpperCase();

//System.out.println(surName1);

System.out.print("Enter surname of 2nd Client ::");

String surName2=s.nextLine().toUpperCase();

//System.out.println(surName2);

if(surName1.equals(surName2))

System.out.println("Surname found same.");

else

System.out.println("Surname not matched.");

}//Close of main

}//Close of class
```

## **//OUTPUT**

Enter surname of 1st Client ::RANJAN

Enter surname of 2nd Client ::KUMAR

Surname not matched.

Enter surname of 1st Client ::SINGHANIA

Enter surname of 2nd Client ::SINGHANIA

Surname found same.

**/\*3. Write a java application to compute and print the bill/invoice of the MALL by applying the condition given below:-**

**#.Accept/Read/Scan:- item code, item name, item type, company name, m.r.p. and quantity taken.**

**#.25% discount is available on item/product type Footwear otherwise 10% discount available on all other types (like Food, Garments, Stationary, etc.)**

**#.1% VAT is to be paid by consumer on getting bill.**

**=====Bill/Invoice details=====dated:.....**

**Item Code :.....**

**Item Name :.....**

**Item Type :.....**

**Company Name :.....**

**M.R.P in Rs. :.....**

**Quantity taken :.....**

-----

**Total amount in Rs. :.....**

**Discount rate in percentage :....%**

**Discount amount in Rs. :.....**

-----

**Payable amount in Rs. :.....**

**1% VAT in Rs. :.....**

-----  
**Net Bill/Invoicing amount in Rs. :.....**

=====

**\*/**

```
import java.util.*;

class Invoice{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

double rate=10.0;

System.out.println();

System.out.print("Enter Item Code          ::");

String itemCode=s.nextLine().toUpperCase();

//System.out.println(itemCode);

System.out.print("Enter Item Name          ::");

String itemName=s.nextLine().toUpperCase();

//System.out.println(itemName);

System.out.print("Enter Item Type as Footwear,Food,.... ::");

String type=s.nextLine().toUpperCase();

//System.out.println(type);

System.out.print("Enter Company Name          ::");

String cName=s.nextLine().toUpperCase();

//System.out.println(cName);

System.out.print("Enter M.R.P. in Rs.          ::");

double mrp=s.nextDouble();

//System.out.println(mrp);
```

```

System.out.print("Enter Quantity taken          ::");

int quantity=s.nextInt();

//System.out.println(quantity);

double total=mrp*quantity;

if(type.equals("FOOTWEAR"))

rate=25.0;

double dist=total*rate/100;

double gross=total-dist;

double vat=gross*1/100;

double netBill=gross+vat;

System.out.println("=====Bill/Invoice details=====dated:"+new Date());

System.out.println("Item Code                :"+itemCode);

System.out.println("Item Name                :"+itemName);

System.out.println("Item Type                :"+type);

System.out.println("Company Name            :"+cName);

System.out.println("M.R.P. in Rs.          :"+mrp);

System.out.println("Quantity taken          :"+quantity);

System.out.println("-----");

System.out.println("Total amount in Rs.      :"+total);

System.out.println("Discount in percentage    :"+rate+"%");

System.out.println("Discount in Rs.          :"+dist);

System.out.println("-----");

System.out.println("Payable Amount in Rs.    :"+gross);

System.out.println("1% vat in Rs.            :"+vat);

System.out.println("-----");

```

```
System.out.println("Net Invoicing amount in Rs.    :"+netBill);

System.out.println("=====");

} //Close of main

} //Close of class
```

## //OUTPUT

```
Enter Item Code                ::I001
Enter Item Name                ::PIZZA
Enter Item Type as Footwear,Food,... ::FOOD
Enter Company Name            ::DOMINOS
Enter M.R.P. in Rs.           ::500.0
Enter Quantity taken          ::2

=====Bill/Invoice details=====dated:Mon Jan 11 22:04:18 IST 2016

Item Code                     :I001
Item Name                     :PIZZA
Item Type                     :FOOD
Company Name                   :DOMINOS
M.R.P. in Rs.                 :500.0
Quantity taken                 :2

-----

Total amount in Rs.           :1000.0
Discount in percentage         :10.0%
Discount in Rs.                :100.0

-----

Payable Amount in Rs.         :900.0
```



1% vat in Rs. :9.0

-----  
Net Invoicing amount in Rs. :909.0

=====

**/\*4. Write a java application to compute and print the bill/invoice of the MALL by applying the condition given below:-**

**#.Accept/Read/Scan:- item code, item name, item type, company name, m.r.p. and quantity taken.**

**#.25% discount is available on item/product type Footwear otherwise 10% discount available on all other types (like Food, Garments, Stationary, etc.)**

**#.If payable amount exceeds Rs. 1000/- an additional discount of 5% of the payable amount is given as discount.**

**#.1% VAT is to be paid by consumer on getting bill.**

**=====Bill/Invoice details=====dated:.....**

**Item Code :.....**

**Item Name :.....**

**Item Type :.....**

**Company Name :.....**

**M.R.P in Rs. :.....**

**Quantity taken :.....**

-----

**Total amount in Rs. :.....**

**Discount rate in percentage :....%**

**Discount amount in Rs. :.....**

-----  
**Payable amount in Rs. :.....**

**1% VAT in Rs. :.....**

-----  
**Net Bill/Invoicing amount in Rs. :.....**

===== \*/

```
import java.util.*;

class Bill{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

double rate=10.0,nRate=0.0;

System.out.println();

System.out.print("Enter Item Code                ::");

String itemCode=s.nextLine().toUpperCase();

//System.out.println(itemCode);

System.out.print("Enter Item Name                ::");

String itemName=s.nextLine().toUpperCase();

//System.out.println(itemName);

System.out.print("Enter Item Type as Footwear, Food,.... ::");

String type=s.nextLine().toUpperCase();
```

```

//System.out.println(type);

System.out.print("Enter Company Name                ::");

String cName=s.nextLine().toUpperCase();

//System.out.println(cName);

System.out.print("Enter M.R.P. in Rs.                ::");

double mrp=s.nextDouble();

//System.out.println(mrp);

System.out.print("Enter Quantity taken                ::");

int quantity=s.nextInt();

//System.out.println(quantity);

double total=mrp*quantity;

if(type.equals("FOOTWEAR"))

rate=25.0;

double dist=total*rate/100;

double gross=total-dist;

if(gross>1000)

nRate=5.0;

double nGross=gross-gross*nRate/100;

double vat=nGross*1/100;

double netBill=nGross+vat;

System.out.println("=====Bill/Invoice details=====dated:"+new Date());

System.out.println("Item Code                        :"+itemCode);

System.out.println("Item Name                        :"+itemName);

System.out.println("Item Type                        :"+type);

System.out.println("Company Name                      :"+cName);

```

```

System.out.println("M.R.P. in Rs.                :"+mrp);
System.out.println("Quantity taken                :"+quantity);
System.out.println("-----");
System.out.println("Total amount in Rs.                :"+total);
System.out.println("Discount in percentage            :"+rate+"%");
System.out.println("Discount in Rs.                  :"+dist);
if(gross>1000){
System.out.println("Additional Discount in percentage :"+nRate+"%");
System.out.println("Additional discount in Rs.            :"+gross*nRate/100);
}
System.out.println("-----");
if(gross>1000)
System.out.println("Payable amount in Rs.                :"+nGross);
else
System.out.println("Payable Amount in Rs.                :"+gross);
System.out.println("1% vat in Rs.                  :"+vat);
System.out.println("-----");
System.out.println("Net Invoice amount in Rs.          :"+netBill);
System.out.println("=====");
} //Close of main
} //Close of class

```

## //OUTPUT

```

Enter Item Code                ::I001
Enter Item Name                ::SHIRT

```

Enter Item Type as Footwear, Food,.... ::GARMENTS

Enter Company Name ::LEVI'S

Enter M.R.P. in Rs. ::1000.0

Enter Quantity taken ::1

=====Bill/Invoice details=====dated:Mon Jan 11 23:19:30 IST 2016

Item Code :I001

Item Name :SHIRT

Item Type :GARMENTS

Company Name :LEVI'S

M.R.P. in Rs. :1000.0

Quantity taken :1

-----  
Total amount in Rs. :1000.0

Discount in percentage :10.0%

Discount in Rs. :100.0

-----  
Payable Amount in Rs. :900.0

1% vat in Rs. :9.0

-----  
Net Invoice amount in Rs. :909.0

=====

Enter Item Code ::I002

Enter Item Name ::SHOE

Enter Item Type as Footwear, Food,.... ::FOOTWEAR

Enter Company Name ::WOODLAND

Enter M.R.P. in Rs. ::3000.0

Enter Quantity taken ::1

=====Bill/Invoice details=====dated:Mon Jan 11 23:20:47 IST 2016

Item Code :I002

Item Name :SHOE

Item Type :FOOTWEAR

Company Name :WOODLAND

M.R.P. in Rs. :3000.0

Quantity taken :1

-----  
Total amount in Rs. :3000.0

Discount in percentage :25.0%

Discount in Rs. :750.0

Additional Discount in percentage :5.0%

Additional discount in Rs. :112.5

-----  
Payable amount in Rs. :2137.5

1% vat in Rs. :21.375

-----  
Net Invoice amount in Rs. :2158.875

=====