public class Container {

private String distributorName;

private int volume;

private int count;

public Container(){

}

public String getDistributorName() {

return distributorName;

}

public void setDistributorName(String distributorName) {

this.distributorName = distributorName;

}

public int getVolume() {

return volume;

}

public void setVolume(int volume) {

this.volume = volume;

}

public int getCount() {

return count;

}

public void setCount(int count) {

this.count = count;

}

public Container(String distributorName, int volume, int count) {

super();

this.distributorName = distributorName;

this.volume = volume;

this.count = count;

}

}

public interface DiscountInfo { public double calculatePayableAmount(Container containerObj); }

import java.util.Scanner; public class UserInterface { public static DiscountInfo generateBillAmount() { DiscountInfo d=(Container containerObj) -> containerObj.getCount()>=100 ? (containerObj.getVolume()==10 ? 0.9 \* 20 \* containerObj.getCount() : 0.85 \* 50 \* containerObj.getCount()): (containerObj.getVolume()==10 ? 20 \* containerObj.getCount() : 50 \* containerObj.getCount()); return d; }public static void main(String args[]) { Scanner sc=new Scanner(System.in); System.out.println("Enter the name of the distributor"); String name = sc.next(); System.out.println("Enter the volume of the container(in litre)"); int vol=sc.nextInt(); System.out.println("Enter the no of containers"); int count=sc.nextInt(); Container C =new Container(name,vol,count); System.out.println("Generated Bill Amount\nDistributor name: "+C.getDistributorName()); DiscountInfo D=generateBillAmount(); if(vol==10 || vol==25) System.out.printf("Amount to be paid: Rs.%.2f",D.calculatePayableAmount(C));else System.out.println("There is no Discount"); } }