public abstract class Bero { protected String beroType;protected String beroColour; protected double price; public Bero(String beroType,String beroColour) { this.beroType=beroType; this.beroColour=beroColour; }public String getBeroType(){ return this.beroType; }public void setBeroType(String beroType){ this.beroType =beroType; }public String getBeroColour(){ return this.beroColour; }public void setBeroColour(String beroColour){ this.beroColour = beroColour; }public double getPrice(){ return this.price; }public void setPrice(double price){ this.price = price; } }

public class CustomerDetails { private String customerName; private long phoneNumber; private String address; public String getCustomerName(){ return this.customerName; } public void setCustomerName(String customerName){ this.customerName = customerName;}public String getAddress(){ return this.address; }public void setAddress(String address){ this.address=address; }public long getPhoneNumber(){ return this.phoneNumber; }public void setPhoneNumber(long phoneNumber ){ this.phoneNumber = phoneNumber; }public CustomerDetails(String customerName,long phoneNumber,String address) { this.customerName=customerName; this.phoneNumber=phoneNumber; this.address=address; }}

public class Discount { public double calculateDiscount(Bero bObj) { double price = bObj.getPrice(); String beroType=bObj.getBeroType(); if(beroType.equals("SteelBero")) { return 0.1\*price; }else{ return 0.15\*price; } } }

public class Discount { public double calculateDiscount(Bero bObj) { double price = bObj.getPrice(); String beroType=bObj.getBeroType(); if(beroType.equals("SteelBero")) { return 0.1\*price; }else{ return 0.15\*price; } } }

public class WoodenBero extends Bero{ private String woodType;public String getWoodType(){ return this.woodType; } public void setWoodType(String woodType){ this.woodType = woodType; }public WoodenBero(String beroType, String beroColour, String woodType) { super(beroType,beroColour); this.woodType=woodType; } public void calculatePrice() { String woodtype=getWoodType(); if(woodtype.equals("Ply Wood")) { setPrice(15000); }else if(woodtype.equals("Teak Wood")) { setPrice(12000); }else if(woodtype.equals("Engineered Wood")) { setPrice(10000); } } }

import java.util.Scanner; public class Main { public static void main(String[] args) { Scanner sc = new Scanner(System.in);System.out.println("Enter Customer Name"); String name=sc.nextLine(); System.out.println("Enter Phone Number"); long phone=sc.nextLong(); System.out.println("Enter address"); sc.nextLine(); String address=sc.nextLine(); System.out.println("Enter Bero Type"); String beroType=sc.nextLine(); if(beroType.equals("Steel Bero")) { System.out.println("Enter Bero Colour"); String colour=sc.next(); System.out.println("Enter Bero Height"); int beroHeight = sc.nextInt(); SteelBero wb=new SteelBero(beroType,colour,beroHeight); wb.calculatePrice(); double price=wb.getPrice(); Discount d = new Discount(); double amount=price-d.calculateDiscount(wb); System.out.printf("Amount needs to be paid Rs.%.2f",amount); }else{ System.out.println("Enter Bero Colour"); String colour=sc.nextLine(); System.out.println("Enter Wood Type"); String WoodType=sc.nextLine(); WoodenBero wb=new WoodenBero(beroType,colour,WoodType); wb.calculatePrice(); double price=wb.getPrice(); Discount d = new Discount(); double amount=price-d.calculateDiscount(wb); System.out.printf("Amount needs to be paid Rs.%.2f",amount); } } }