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//Bill making from backend

package com.driver;  
  
public class pizza {  
 private final int baseprice;

private final int toppingprice;

private final int cheesprice=80;

private final int bagprice=20;

private boolean isVeg;

private int total;

pizza(boolean isVeg){ //taking parametric constructor  
 this.isVeg=isVeg;  
  
 if(isVeg){  
 baseprice=300;  
 toppingprice=70; //condition if isVeg is true so taking veg prices  
 total=300;  
 }  
 else{ //else will be taking non veg prices  
 baseprice=400;  
 toppingprice=120;  
 total=400;  
 }}  
 private boolean ischeeseAdded=false;

private boolean istoppingAdded=false;

private boolean istakeAway=false;

public void extraCheese(){ //for extra cheese but only add 1 times  
 if(ischeeseAdded==false){

ischeeseAdded=true;

total=total+cheesprice;}  
 }  
 public void extraTopping(){ //for extra topping but only add 1 times  
 if(!istoppingAdded){

total=total+toppingprice;

istoppingAdded=true;  
 }  
 }  
 public void takeAway(){ //for takeaway means bagprice only add 1 times  
 if(!istakeAway){

istakeAway=true;

total=total+bagprice;  
 }  
 }  
 public String generatebill(){  
 String bill="Base Price of Pizza "+baseprice+"\n";  
 if(ischeeseAdded)  
 bill=bill+"Extra Chees Price "+cheesprice+"\n";  
 if(istoppingAdded)  
 bill=bill+"Extra Topping Price "+toppingprice+"\n";  
 if(istakeAway)  
 bill=bill+"Paperbag Added "+bagprice+"\n";  
  
 bill=bill+"Total Price "+total+"\n";  
  
 return bill;  
 }  
  
}

package com.driver;  
  
public class deluxepizza extends pizza{  
 deluxepizza(boolean isVeg){  
 super(isVeg);  
 extraCheese();  
 extraTopping();  
 }  
}

package com.driver;  
  
public class Bill {  
 public static void main(String[] args){ //main function   
 deluxepizza obj1=new deluxepizza(true); //create object of deluxeclass  
 System.*out*.println(obj1.generatebill());  
   
 pizza a=new pizza(false); //crete object of pizza(parent)class   
 System.*out*.println(a.generatebill());  
 }  
}