**Pizza.java.....**

import java.sql.SQLOutput;  
  
public class Pizza {  
 private int price;  
 private Boolean veg;  
  
 private int extraCheesePrice = 150;  
 private int extraToppingsPrice =250;  
 private int backPackprice =50;  
  
 private int basePizzaPrice;  
  
 private boolean isExtraCheeseadded= false;  
 private boolean isExtraToppingsAdded=false;  
 private boolean isOptedForTakeAway= false;  
  
 public Pizza(Boolean veg){  
 this.veg=veg;  
 if(this.veg){  
 this.price=200;  
  
 }  
 else{  
 this.price=400;  
 }  
 basePizzaPrice = this. price;  
 }  
 public void addExtraCheese(){  
 isExtraCheeseadded = true;  
 this. price += extraCheesePrice;  
 }  
 public void addExtraToopings(){  
 isExtraToppingsAdded = true;  
 this. price += extraToppingsPrice;  
 }  
 public void takeAway(){  
 isOptedForTakeAway = true;  
 this. price +=backPackprice;  
 }  
 public void getBill() {  
 String bill ="";  
 System.*out*.println("Pizza: "+basePizzaPrice);  
 if(isExtraCheeseadded) {  
 bill +="Extra cheese added:"+extraCheesePrice+ "\n";  
 }  
 if(isExtraToppingsAdded){  
 bill +="Extra Toppings added:"+extraToppingsPrice +"" + "\n";  
 }  
 if(isOptedForTakeAway){  
 bill += "Take away:"+extraCheesePrice+ "\n";  
 }  
 bill += "Bill:"+this. price+"\n";  
 System.*out*.println(bill);  
  
 }  
}

**DeluxPizza.java..**

public class DeluxPizza extends Pizza{  
 public DeluxPizza(Boolean veg){  
 super(veg);  
 super.addExtraCheese();  
 super.addExtraToopings();  
 }  
  
 @Override  
 public void addExtraCheese() {  
 super.addExtraCheese();  
 }  
  
 @Override  
 public void addExtraToopings() {  
 super.addExtraToopings();  
 }  
}

**Main.java....**

public class Main {  
 public static void main(String[] args) {  
 //Pizza basePizza =new Pizza(true);  
 // Pizza basePizza =new Pizza(false);  
 // basePizza.addExtraCheese();  
 // basePizza.addExtraToopings();  
 // basePizza.takeAway();  
 // basePizza. getBill();  
  
 DeluxPizza dp = new DeluxPizza(false);  
 //DeluxPizza dp=new Deluxpizza(true);  
 // dp.addExtraCheese();  
 // dp.addExtraToopings();  
 dp.takeAway();  
 dp.getBill();  
  
 }  
}