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package bill;

import java.util.Scanner;

public class pizza {
    protected int price;
    private Boolean veg;

    protected int extraCheesePrice = 100;
    protected int extraToppingsPrice = 150;
    protected int backPackPrice = 20;

    protected int basePizzaPrice;

    private boolean isExtraCheeseAdded = false;
    private boolean isExtraToppingsAdded = false;
    private boolean isOptedForTakeaway = false;

    Scanner in = new Scanner(System.in);

    public pizza(Boolean veg) {
        this.veg = veg;

        if (this.veg) {
            this.price = 300;
        } else {
            this.price = 400;
        }
        basePizzaPrice = this.price;
    }

    public void addExtraCheese() {
        System.out.println("Extra Cheese (y/n)?
=>");

        char ch = in.next().charAt(0);
        switch (ch) {
            case ('y'):

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        isExtraCheeseAdded = true;
        this.price += extraCheesePrice;
        break;
    case ('n'):
        isExtraCheeseAdded = false;
        break;
    }
}

public void addExtraToppings() {
    System.out.println("Want Extra Topping
(Y/N)? =>");
    char ch = in.next().charAt(0);
    switch (ch) {
    case ('y'):
        isExtraToppingsAdded = true;
        this.price +=
extraToppingsPrice;
        break;

    case ('n'):
        isExtraToppingsAdded = false;
        break;
    }
}

public void takeAway() {
    System.out.println("Want TakeAway
(Y/N)? =>");
    char ch =
Character.toLowerCase(in.next().charAt(0));
    switch (ch) {
    case ('y'):
        isOptedForTakeaway = true;
        this.price += backPackPrice;
        break;

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        case ('n'):
            isOptedForTakeaway=false;
            break;
        }
    }
    public void getBill() {
        String bill=" ";

        System.out.println("Pizza
:"+basePizzaPrice);
        if(isExtraCheeseAdded) {
            bill += "Extra Cheese :
"+extraCheesePrice+"\n";
        }
        if(isExtraToppingsAdded) {
            bill += "Extra Toppings
:"+extraToppingsPrice+ "\n";
        }
        if(isOptedForTakeaway) {
            bill += "Take away
:"+backPackPrice+ "\n";
        }
        bill += "\nTotal Amount :"+this.price
        +"\n";

        System.out.println(bill);
        System.out.println("\n\n\nThanks
You!!!! Visit Again.....");

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

}

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package bill;

public class DeluxPizza extends pizza{
    public DeluxPizza(Boolean veg) {
        super(veg);
        //super.addExtraCheese();
        //super.addExtraToppings();
    }

    @Override
    public void addExtraCheese() {
        this.price +=extraCheesePrice;
    }

    @Override
    public void addExtraToppings() {
        this.price +=extraToppingsPrice;
    }

}

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package bill;

import java.util.Scanner;

public class Main {
    public static void main(String[] args) {

System.out.println("-----
-----Welcome to Pizzamania-----");
        System.out.println("Which Pizza :(1.Veg
Pizza    2. Non-Veg Pizza    3.Delux Veg Pizza    4.Delux
Non-Veg  Pizza");
        Scanner sc=new Scanner(System.in);
        int ch=sc.nextInt();

        switch(ch) {
            case 1:
                pizza vegPizza=new pizza(true);
                vegPizza.addExtraToppings();
                vegPizza.addExtraCheese();
                vegPizza.takeAway();
                vegPizza.getBill();
                break;

            case 2:
                pizza nonvegPizza=new
pizza(false);
                nonvegPizza.addExtraToppings();
                nonvegPizza.addExtraCheese();
                nonvegPizza.takeAway();
                nonvegPizza.getBill();
                break;

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        case 3:
            DeluxPizza veg =new
DeluxPizza(true);
            veg.basePizzaPrice=550;
            veg.addExtraToppings();
            veg.addExtraCheese();
            veg.takeAway();
            veg.getBill();
            break;

        case 4:
            DeluxPizza nonveg =new
DeluxPizza(false);
            nonveg.basePizzaPrice=650;
            nonveg.addExtraToppings();
            nonveg.addExtraCheese();
            nonveg.takeAway();
            nonveg.getBill();
            break;

        default:
            System.out.println("Sorry Enter
Again!!!!!!");
            return;
    }
    sc.close();
}
}

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