

// Create Pizza bill generating app using Core Java

```
package bill;
import java.util.Scanner;
public class Main {
    public static void main(String[] args) {
        System.out.println("-----Welcome to Pizzamania-----\n");
        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;
            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();
    }
}
```

// Extended class

```
package bill;

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

    @Override
    public void addExtraCheese() {

        this.price +=extraCheesePrice;
    }

    @Override
    public void addExtraToppings() {

        this.price +=extraToppingsPrice;
    }

}
```

// Function Class

```
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
        {

```

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        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'):
            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;
        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\nThanks you !!!! Visit Again.....");
System.out.println("-----");
}

}
```