Método "Builder" - Constructor de pizzas

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Modelos de Programación I Grupo 81

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Paquetes

```
ActividadBuilder [main]

Actividad Builder [main]

Actividad
```

Builders

HawaiPizzaBuilder.java

```
package Builders;
import Producto.Pizza;

public class HawaiPizzaBuilder extends PizzaBuilder {

public HawaiPizzaBuilder() {
    super.pizza = new Pizza();
    }

public void buildMasa() {
    pizza.setMasa("suave");
    }

public void buildSalsa() {
    pizza.setSalsa("dulce");
    }

public void buildRelleno() {
    pizza.setRelleno("chorizo+alcachofas");
}

public void buildRelleno() {
    pizza.setRelleno("chorizo+alcachofas");
}
```

PicantePizzaBuilder.java

```
package Builders;
import Producto.Pizza;

public class PicantePizzaBuilder extends PizzaBuilder {

public PicantePizzaBuilder() {
    super.pizza = new Pizza();
    }

public void buildMasa() {
    pizza.setMasa("cocido");
}

public void buildSalsa() {
    pizza.setSalsa("picante");
}

public void buildRelleno() {
    pizza.setRelleno("pimienta+salchichón");
}
```

PizzaBuilder.java

```
package Builders;
import Producto.Pizza;

public abstract class PizzaBuilder {

protected Pizza pizza;

public Pizza getPizza() {
 return pizza;
}

public abstract void buildMasa();

public abstract void buildSalsa();

public abstract void buildRelleno();

public abstract void buildRelleno();
}
```

Director

Cocina.java

```
package Director;
3 — import Builders.PizzaBuilder;
  Limport Producto.Pizza;
       public Pizza cocinarPizza(PizzaBuilder pb) {
           pizzaBuilder = pb;
           pizzaBuilder.buildMasa();
           pizzaBuilder.buildSalsa();
           pizzaBuilder.buildRelleno();
           return pizzaBuilder.getPizza();
```

Main_builder

Main_builder.java

```
package Main_builder;

import Director.Cocina;
import Builders.HawaiPizzaBuilder;
import Builders.PicantePizzaBuilder;
import Builders.PizzaBuilder;
import Producto.Pizza;

public class Main_builder {

    public static void main(String[] args) {
        Cocina cocina = new Cocina();

        PizzaBuilder objHawaiPizzaBuilder = new HawaiPizzaBuilder();
        PizzaBuilder objPicantePizzaBuilder = new PicantePizzaBuilder();

        Pizza pizza = cocina.cocinarPizza(objPicantePizzaBuilder);
}

}
```

Producto

Pizza.java

```
package Producto;
public class Pizza {
    private String masa;
    private String salsa;
    private String relleno;
    public void setMasa(String masa) {
        this.masa = masa;
    public void setSalsa(String salsa) {
        this.salsa = salsa;
    public void setRelleno(String relleno) {
        this.relleno = relleno;
    public String getMasa() {
    public String getSalsa() {
    public String getRelleno() {
```