

Methods as Recipes

CSCI 111

Classic Cheese Pizza Recipe

Ingredients:

- Dough
- Sauce
- Cheese

Directions:

Roll dough into a circle. Put sauce on dough. Put cheese on sauce. Put whole thing in 400° oven for 10-12 minutes. Serve hot.

```
public Pizza pizzaRecipe(dough, sauce, cheese)
{
    roll dough into a circle;
    put sauce on dough;
    put cheese on sauce;
    put whole thin in 400° oven for 10-12 minutes;
    serve hot;
}
```

Return dataType
(what is being
returned by the
method)

Method name
(Recipe name)

Input parameters (Stuff
we need to execute the
method, ingredients)

```
public Pizza pizzaRecipe(dough, sauce, cheese)
```

```
{
```

```
    roll dough into a circle;  
    put sauce on dough;  
    put cheese on sauce;  
    put whole thin in 400° oven for 10-12 minutes;  
    serve hot;
```

```
}
```

Instructions for
executing the method
(recipe directions).

Return dataType
(what is being
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Method name
(Recipe name)

Input parameters (Stuff
we need to execute the
method, ingredients)

```
public Pizza pizzaRecipe(dough, sauce, cheese)
```

```
{
```

```
    roll dough into a circle;
```

```
    put sauce on dough;
```

```
    put cheese on sauce;
```

```
    put whole thin in 400° oven for 10-12 minutes;
```

```
    serve hot;
```

```
    return Pizza;
```

```
}
```

Instructions for
executing the method
(recipe directions).

General Method Format

```
public dataType methodName(dataType1 parameter1, dataType2 parameter2,...)
{
    //method body
}
```

Comments:

- If you have a return dataType in the method header, you NEED a return statement. You cannot promise that something will be returned and then not do it.
- You do not NEED to return anything. If so, your return dataType is `void`.
- You do not NEED to include input parameters. If that's the case, don't put anything in the parentheses (but you still need the parentheses, that's how we know it is a method).