



*I do not know
this pattern.
I need to
build another
android it
could be the
solution.*



Builder Pattern

Creational Pattern

House Properties

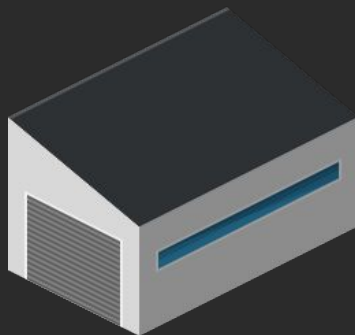
```
data class Color(val hex: String)
```



```
data class SwimmingPool(  
    val width: Float,  
    val height: Float,  
    val depth: Float,  
)
```



```
data class Garage(  
    val slots: Int,  
)
```



House class

```
data class House(  
    val color: Color = Color(hex: "#ffffff"),  
    val doors: Int = 0,  
    val rooms: Int = 0,  
    val windows: Int = 0,  
    val walls: Int = 0,  
    val swimmingPool: SwimmingPool? = null,  
    val garage: Garage? = null,  
    val hasAirConditioning: Boolean = false,  
    val hasGarden: Boolean = false,  
)
```



House Builder



```
class HouseBuilder {
    private var house = House()

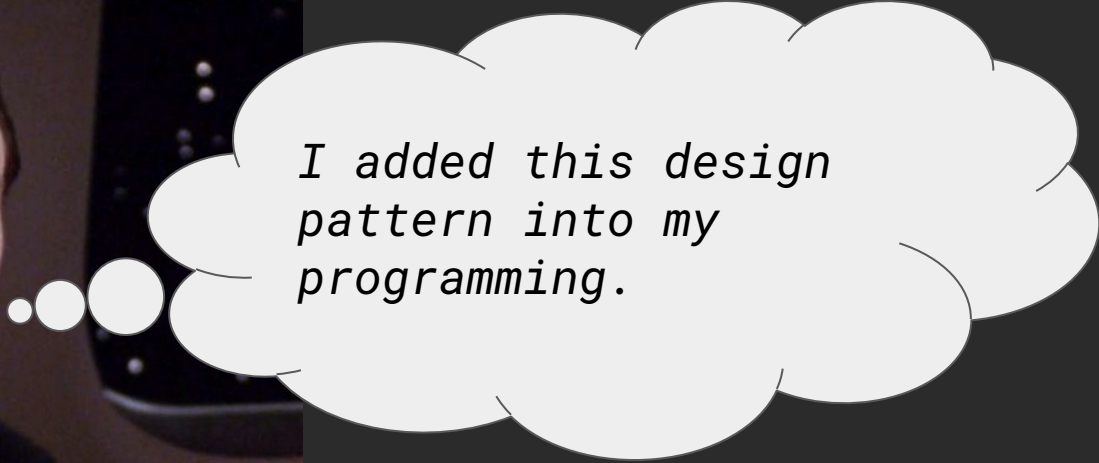
    fun buildWalls(walls: Int) = apply { house = house.copy(walls = walls) }
    fun buildWindows(windows: Int) = apply { house = house.copy(windows = windows) }
    fun buildGarage(garage: Garage) = apply { house = house.copy(garage = garage) }
    fun buildDoors(doors: Int) = apply { house = house.copy(doors = doors) }
    fun buildColor(color: Color) = apply { house = house.copy(color = color) }
    fun buildSwimmingPool(swimmingPool: SwimmingPool) = apply { this: HouseBuilder
        | house = house.copy(
        |     swimmingPool = swimmingPool
        | )
    }

    fun buildGarden(hasGarden: Boolean) = apply { house = house.copy(hasGarden = hasGarden) }

    fun build() = house
}
```

Building a House

```
fun main() {  
    val house = HouseBuilder()  
        .buildGarage(Garage(slots = 2))  
        .buildWalls(walls = 12)  
        .buildWindows(windows = 4)  
        .buildGarden(hasGarden = true)  
        .buildDoors(doors = 2)  
        .buildSwimmingPool(SwimmingPool( width: 1200f, height: 400f, depth: 1200f))  
        .buildColor(Color( hex: "#ffffff"))  
        .build()  
  
    println(house)  
}
```



*I added this design
pattern into my
programming.*

A large, white, cloud-like thought bubble with a black outline, containing the text. It has three small circles leading to the main bubble from the left.