

Lesson 3: Parameterized Constructors

Revisiting the Painter Class

What did you wish you could do when creating a `Painter` object?

Writing and Using Constructors

Term	Definition	Example / Picture / Code
state		
parameterized constructor		
overloading		

Video Notes: Overloaded Constructors

Three Things You Learned

1

2

3

Two Interesting Ideas

1

2

One Question or Wonder

Writing and Using Constructors

What are the similarities and differences between a no-argument constructor and a parameterized constructor?

Annotate the code segment below to identify each component of a parameterized constructor.

```
public Painter(int x, int y, String dir, int paint) {  
    xLocation = x;  
    yLocation = y;  
    direction = new Direction(dir);  
    remainingPaint = paint;  
}
```

Term	Definition	Example / Picture / Code
formal parameter		
local variable		
actual parameter		
call by value		

Reflection

Question of the Day: How can I create objects with specific values for its instance variables?

Complete this sentence: I used to think _____, but now I know _____.