

Lab 9

CPSC 120: Principles of Computer Science • Fall 2024

Choosing the right pattern should make construction of the loop more straightforward.

- so you don't have to calculate the number of repetitions if what you know is how long to keep going
- so you don't have to calculate where the changing value ends up if what you know is how many times to repeat



Lab 9

Choosing the right loop variables should make the usage of those variables more straightforward.

 so you don't have to figure out potentially complicated formulas or expressions

<pre>for (int count = 0, y = height-20; count < 4; cour fill(255, 0, 0); stroke(0); ellipse(20, y, 40, 40); of the ellipse (draw }</pre>	<pre>ht = count+1, y = y-40) { he y coordinate of the center ying in CENTER mode)</pre>
<pre>for (int count = 0, y = height-40; count < 4; count = count+1, y = y-40) { fill(255, 0, 0); stroke(0); ellipse(20, y+20, 40, 40); y loop variable is the y coordinate of the upper left corner of the ellipse (drawing in CENTER mode) }</pre>	
<pre>for (int count = 0; count < 4; count = count+1) { fill(255, 0, 0); stroke(0); ellipse(20, height-20-count*40, 40, 40); }</pre>	no y loop variable
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