Lab 8

#1-3 – "work with any size window"

- use width, height instead of specific numbers as appropriate
- be careful to cover all applicable places
- test by changing the values in size()

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Lab 8 • #3 getting the right pattern of rectangles – note carefully how they mesh with each other • what changes from one repetition to the next? position (x,y) and size (width or height) "rectangles should be 20 pixels tall/wide" • short side should be 20, long side's initial value should be based on height or width "include as many rectangles as fit, leaving space in the middle if there isn't enough room for an entire set of rectangles" repeat-as-long-as pattern • should always have the same number of each color (but resulting from the repeat-as-long-as condition, not a counting loop) - "rectangle needs to fit entirely within its half of the window" compare right edge (red) or left edge (yellow) position to width/2 or bottom edge (orange) or top edge (purple) position to height/2 CPSC 120: Principles of Computer Science • Fall 2024









• can't have both function parameters x, y, w, h (for the position and size of the block) and loop variables x, y, w, h (for position and size changing from one rectangle to the next)

