

Continually Change Costume

- Show first costume, then second
- Do this forever
- Actually we do not want to do it forever -

Continually Change Costume

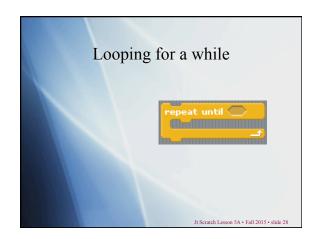
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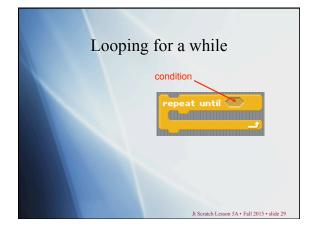
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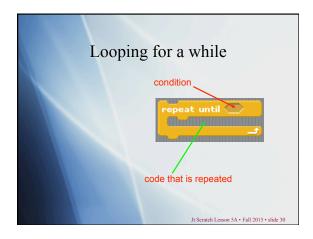
Continually Change Costume

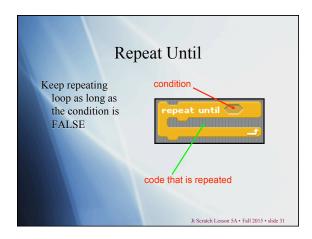
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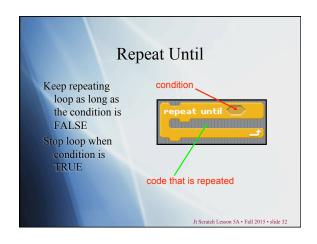
- Show first costume, then second
- Do this forever
- Actually we do not want to do it forever as we saw in the grading program, we eventually switched to another costume indicative of the grade given
- We will return to this later

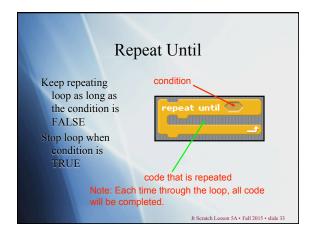


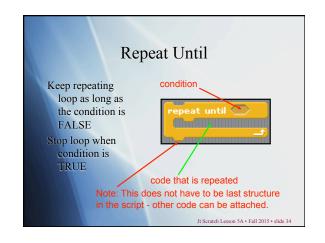


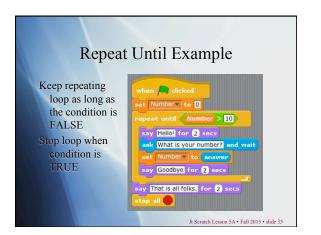


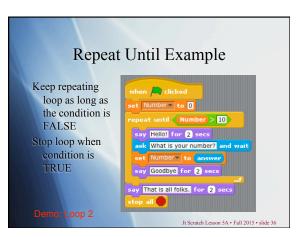


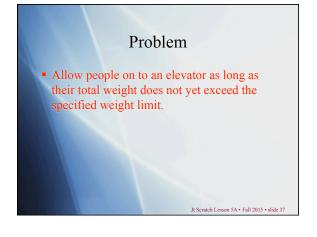


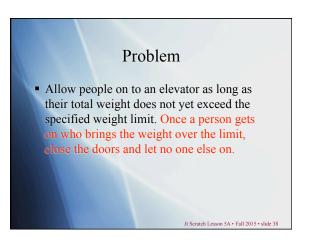


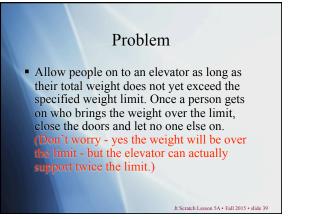


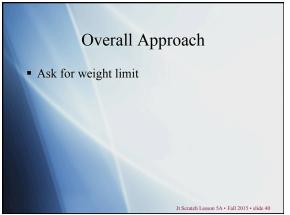


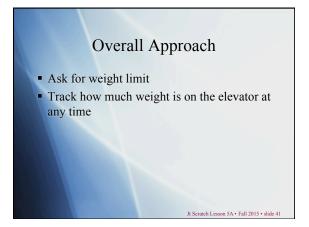


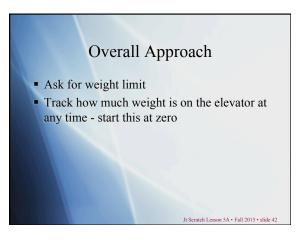












Overall Approach

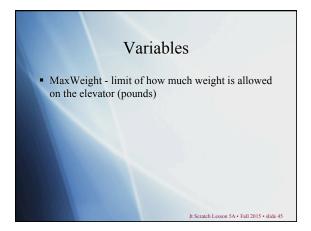
- Ask for weight limit
- Track how much weight is on the elevator at any time start this at zero

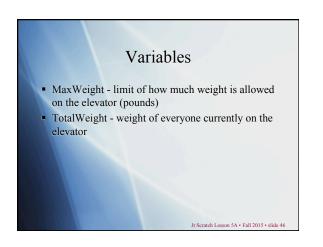
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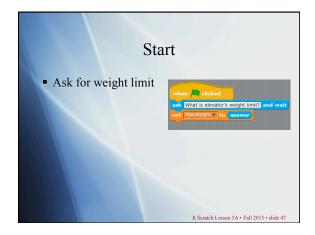
• For each person who gets on the elevator, get person's weight and calculate total weight on elevator so far

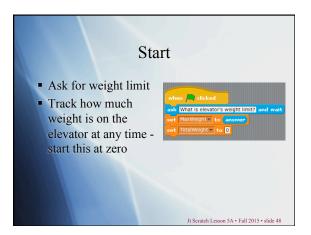
Overall Approach

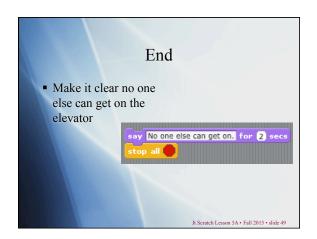
- Ask for weight limit
- Track how much weight is on the elevator at any time start this at zero
- For each person who gets on the elevator, get person's weight and calculate total weight on elevator so far
- Keep letting another person on as long as total weight is under the limit

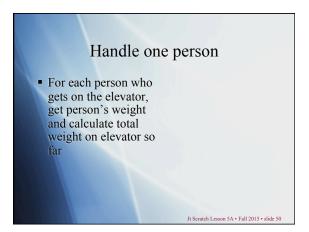


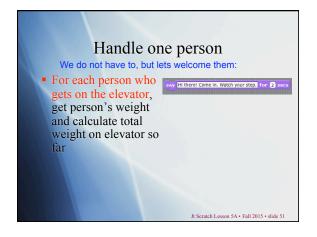


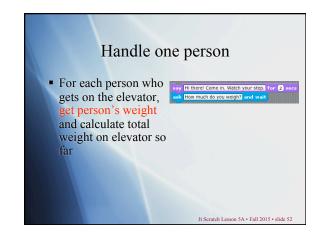


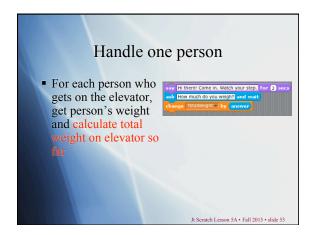


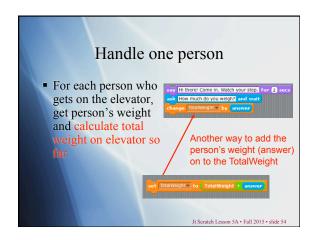




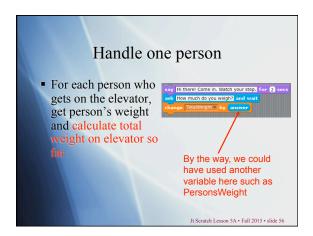










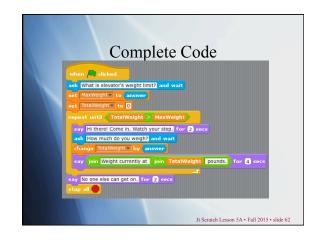


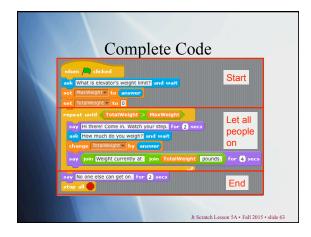


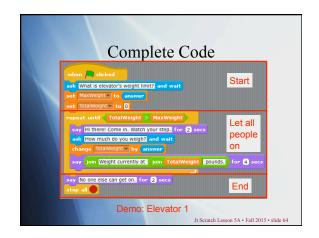


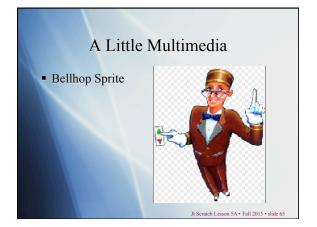


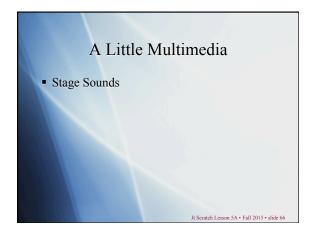


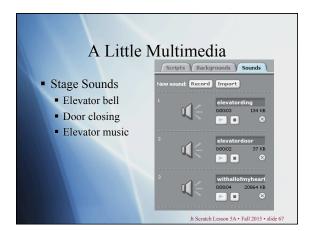


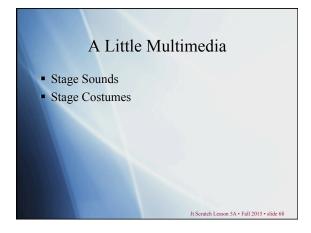


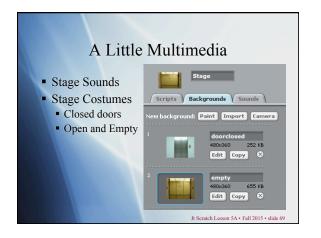




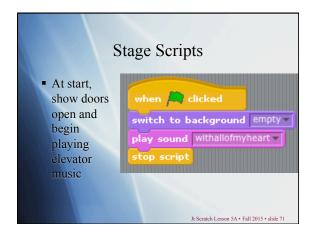


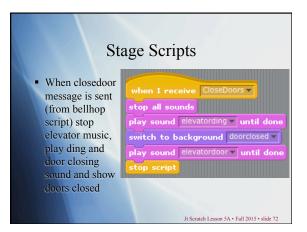




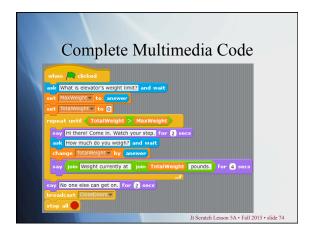


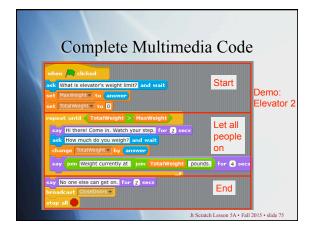


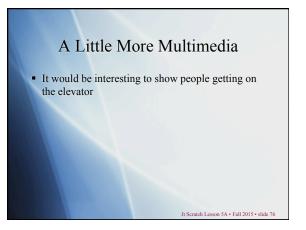


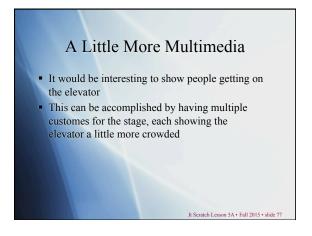




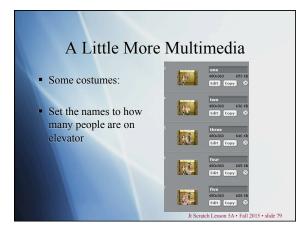








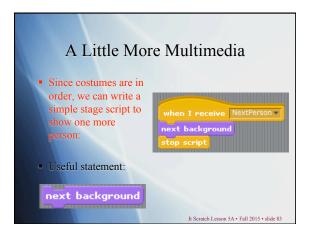


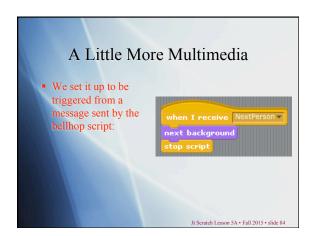


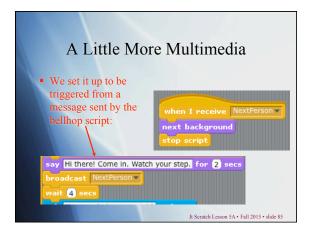


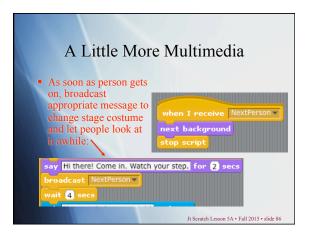


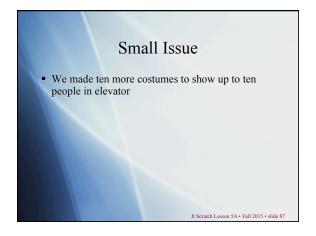


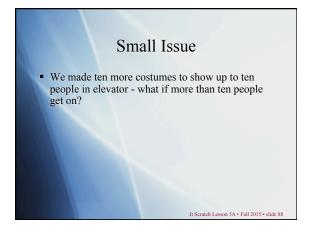


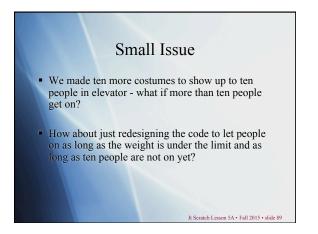


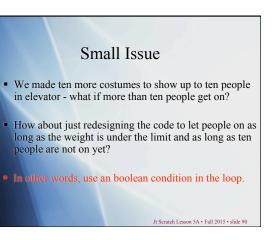


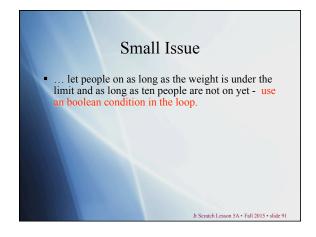


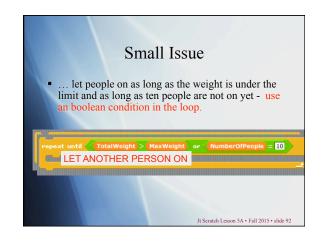


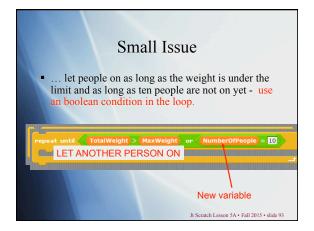


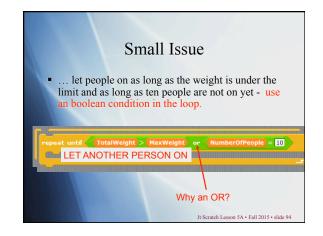


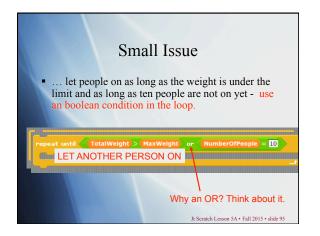


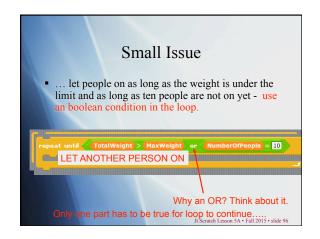


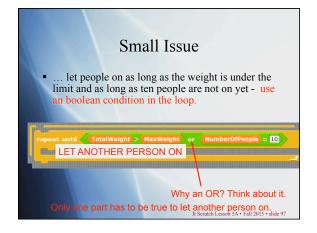


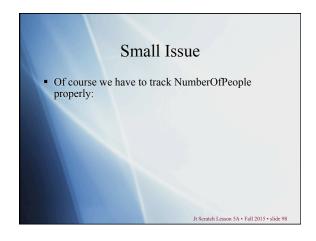


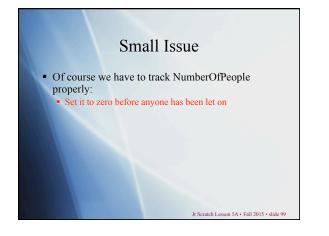


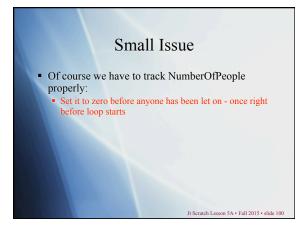


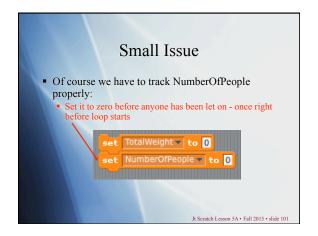


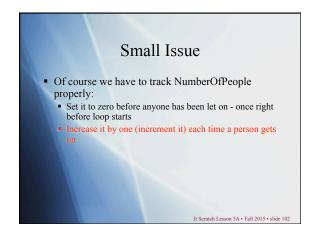


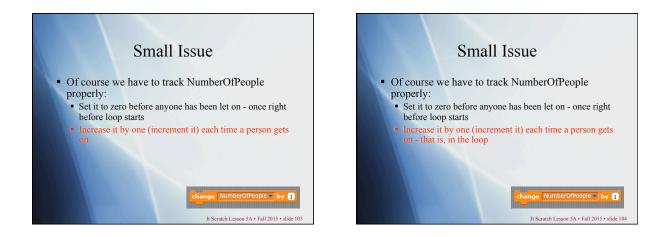


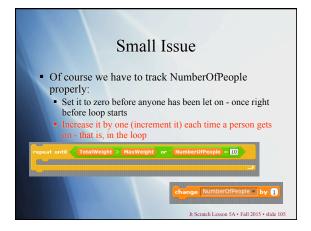


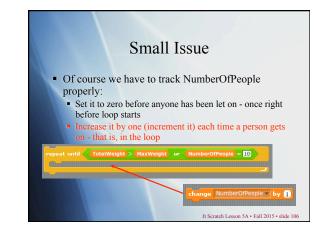


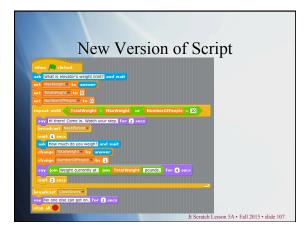


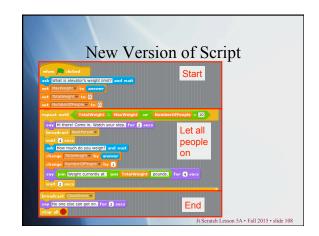


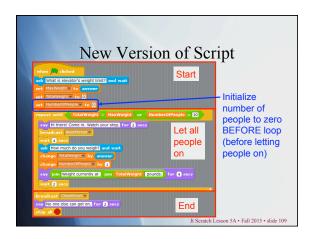


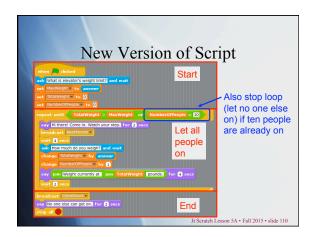


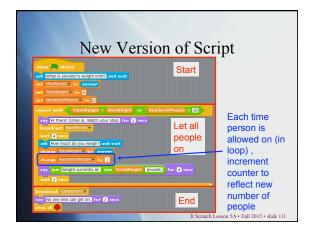


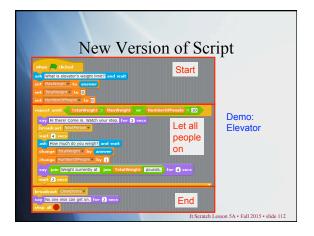


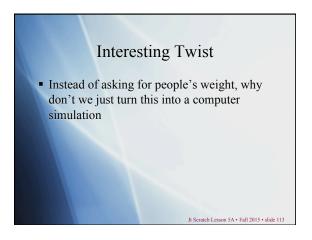


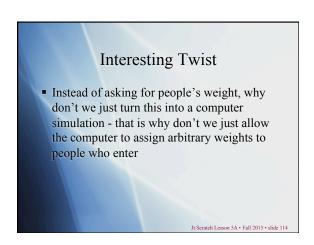












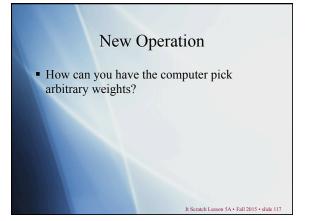
Interesting Twist

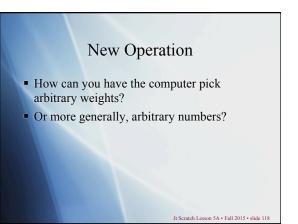
• Instead of asking for people's weight, why don't we just turn this into a computer simulation - that is why don't we just allow the computer to assign arbitrary weights to people who enter - let's have it just create its own elevator world

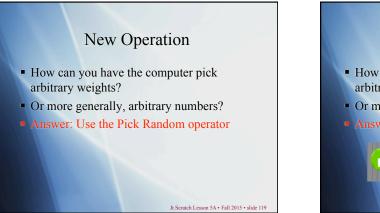
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Interesting Twist

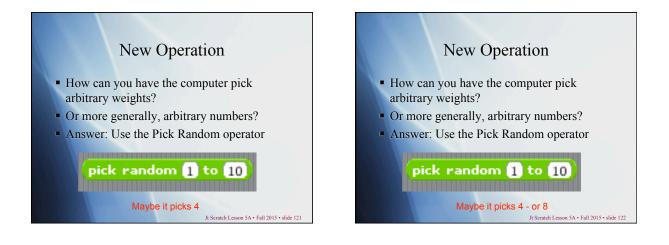
• the computer assigns arbitrary weights to people who enter - let's have it just create its own elevator world - each time the script runs, different weights are assigned by the computer - not us - and it is all unpredicable

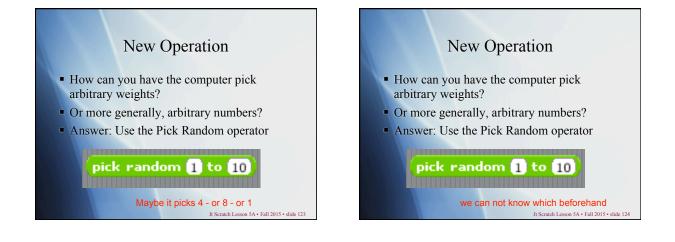






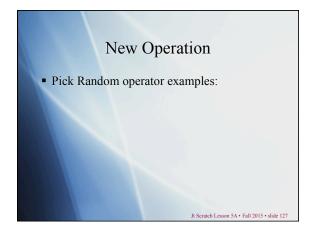


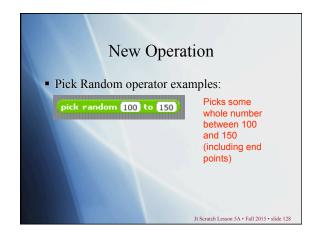


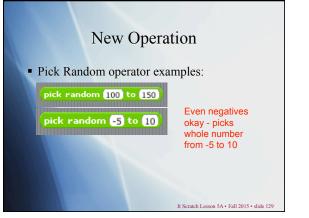






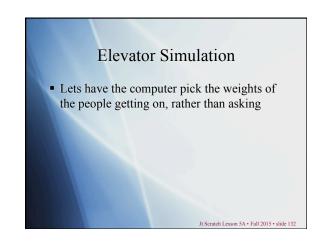


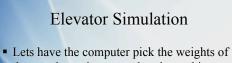




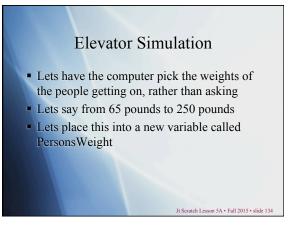


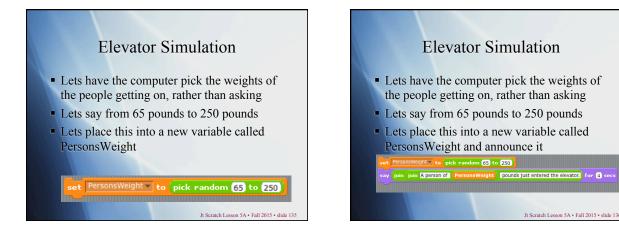




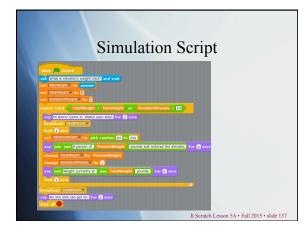


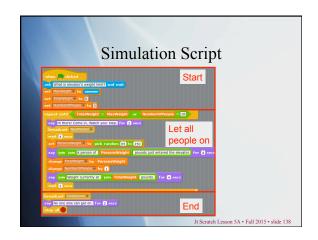
- the people getting on, rather than asking
- Lets say from 65 pounds to 250 pounds



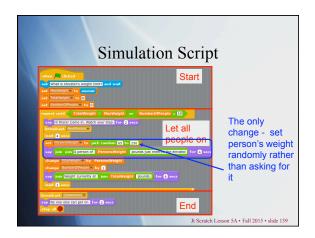


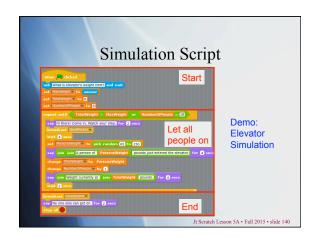
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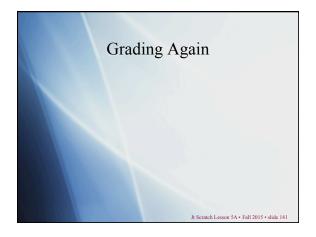


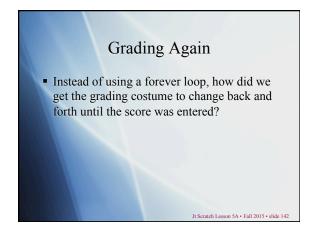


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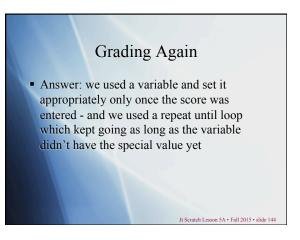


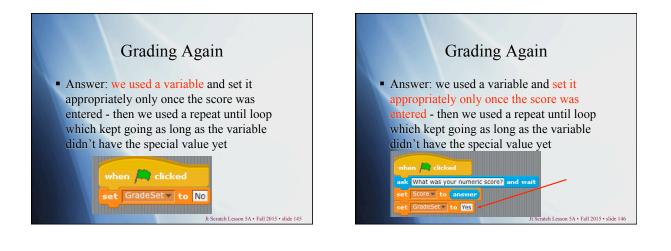


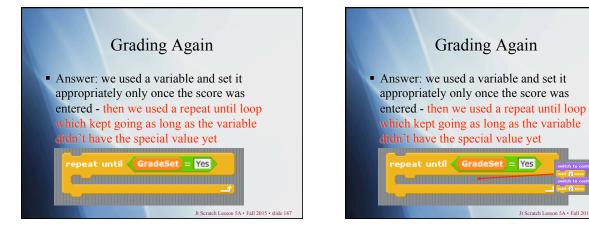


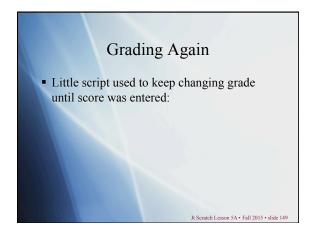
Grading Again

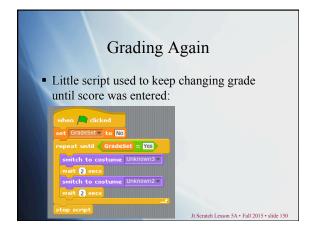
- Instead of using a forever loop, how did we get the grading costume to change back and forth until the score was entered?
- Answer: we used a variable and set it appropriately only once the score was entered - and we used a repeat until loop which kept going as long as the variable didn't have the special value yet











Grading Again	
 Little script used to keep changing grade until score was entered: 	
when clicked set GradeSet to No	
repeat until GradeSet = 123 switch to costume Unknown3 v wait 23 secs switch to costume Unknown2 v wait 2 secs	Nice use of a repeat until loop
stop script	Jt Scratch Lesson 5A • Fall 2015 • slide 151

