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| # Repeat Yourself |
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|  | # Write a method that takes two arguments, a string and a positive integer, |
|  | # and prints the string as many times as the integer indicates. |
|  |  |
|  | # Example: |
|  | # repeat('Hello', 3) |
|  | # Output: |
|  | # Hello |
|  | # Hello |
|  | # Hello |
|  | # |
|  | # Problem solving steps: |
|  | # inputs: |
|  | # an integer > 0 and a string |
|  |  |
|  | # outputs: |
|  | # a string |
|  |  |
|  | # clarifying questions: |
|  | # what if string is empty? |
|  | # print uppercase/lowercase? |
|  | # need to validate input? (e.g., check that the integer is positive) |
|  | # separated by spaces or newlines? => example indicates new lines |
|  | # (check this assumption) |
|  |  |
|  | # data structures: |
|  | # input is a string & a number |
|  | # output is a string |
|  |  |
|  | # algorithm |
|  | # read input, a string and an integer, as parameters into a method; |
|  | # multiply string and new line character by integer, print string output |
|  |  |
|  | # example |
|  | # repeat('hi, Bob', 2) => hi, Bob |
|  | # hi, Bob |
|  |  |
|  | def repeat(string, pos\_integer) |
|  | puts (string + "\n") \* pos\_integer |
|  | end |
|  |  |
|  | # test cases |
|  |  |
|  | repeat('hello', 0) |
|  | repeat('hello', 1) |
|  | repeat('hello', 10) |
|  | repeat('', 2) |
|  | repeat('Hello', 4) |
|  | repeat('hello', -1) |