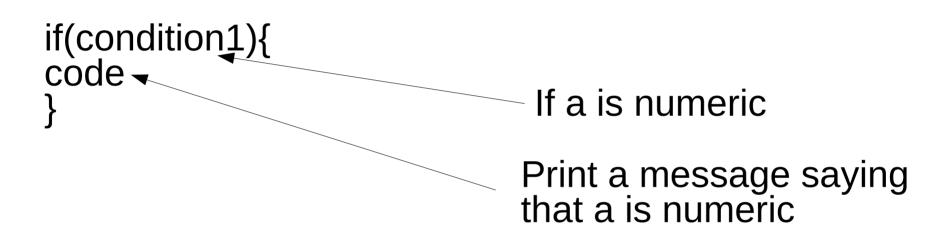
a **-** Create an object "a"



Create an object "a", that can randomly be either a numeric or a character

if(condition1

If a is numeric

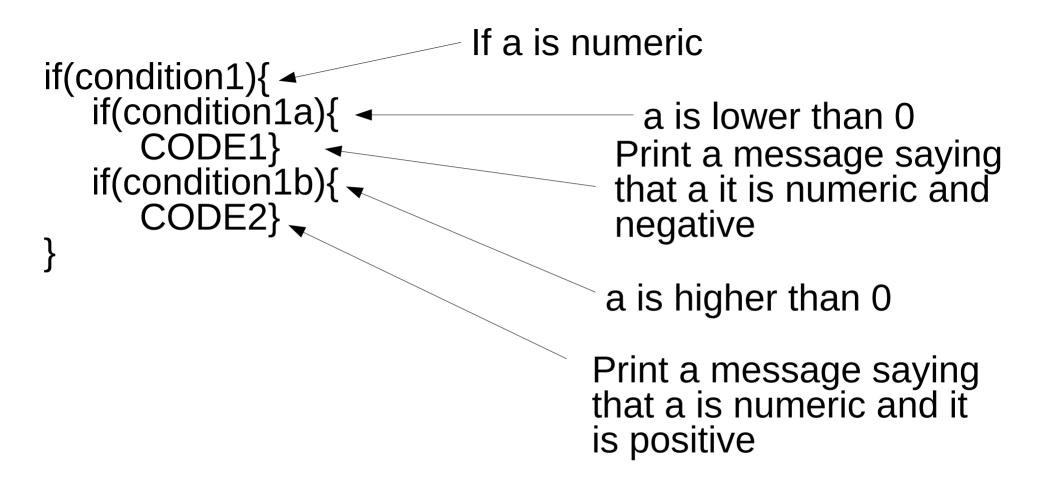
& condition2

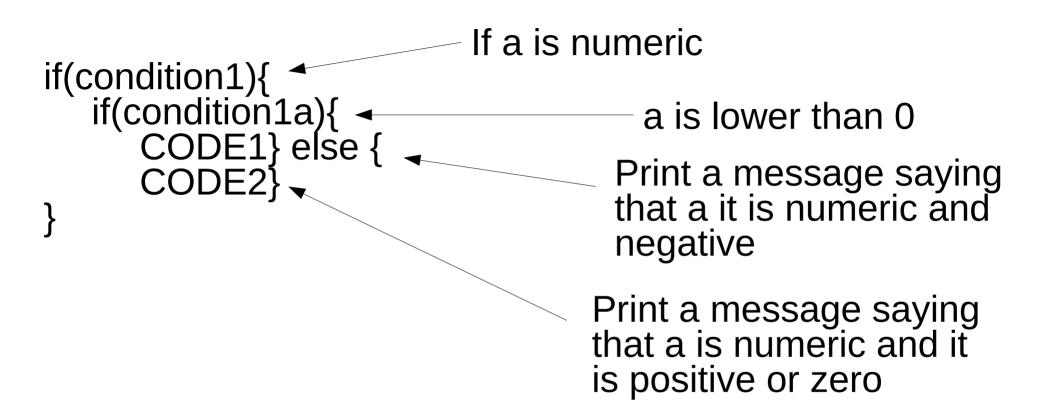
a is lower than 0

[condition1] If a is numeric

& condition3) a is higher than 0

code Print a message saying that a is numeric and it is not zero





```
If a is numeric
if(condition1){
   if(condition1a){ ←
CODE1} else {
                                           a is lower than 0
                                         Print a message saying
                                         that a it is numeric and
                                         negative
                                       Print a message saying that a is numeric and it
                                        is positive or zero
Another way, using ifelse()
if(condition1){
   ifelse(condition1a,CODE1,CODE2)
```

- 1.- Create an object containing a random number that can be either positive (with a probability of 50%) or negative (50%).
- 2.- Calculate the logarithm of this number, but only if it is numeric and positive

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- 2.- Calculate the logarithm of this number, but only if it is numeric and positive
- 3.- If the number is negative, provide an error
- 4.- Try to provide the result at the end of the code, not in the middle

- 1.- Read the bumpus dataset
- 2.- Select one element from one numeric variable
- 3.- Print in the screen if this element is bigger or lower than the average
- 4.- Print a message saying if this element is below, above of within the 95% distibution*

^{*}remember the 95% distribution is $\overline{X} \pm 1.96\sigma$

- 1.- Flip a coin (to get head or tail randomly)
- 2.- Define your choice
- 3.- Compare the coin (1) with your choice (2)
- 3.- If you won, say it
- 4.- If you lost, also say it
- * Also try to provide the result at the end of the code, not in the middle

- 1.- Randomly select one number between 9 and 11
- 2.- Guess the number by using only two logical evaluations
- 3.- Print your guess

- 1.- Define your choice (rock, paper, scissors)
- 2.- Define R choice (randomly)
- 3.- Provide a message with the result of the game*
- 4.- Include some advanced errors:
 - if your choice is not one of the 3 possibilities
 - Do the game case-insensitive

* remember: rock wins scissors; paper wins rock; rock wins scissors