INVALID PARAMETERS

What else can you think of? What about abnormal interest rate ranges?

```
pv <- function(FV, r, n = 5) {</pre>
  if(!is.atomic(FV)) {
    stop('FV must be an atomic vector')
  if(!is.numeric(FV) | !is.numeric(r) | !is.numeric(n)){
    stop('This function only works for numeric inputs!\n',
         'You have provided objects of the following classes: Xn
         'FV: ', class(FV), '\n',
         'r: ', class(r), '\n',
         'n: ', class(n))
 if(r < 0 | r > .25) {
    message('The input for r exceeds the normal\n',
             'range for interest rates (0-25%)')
  present_value <- FV / (1 + r)^n</pre>
  round(present_value, 2)
```

If we add a message() this
allows us to:

- notify the user of something
- while still executing the code

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What else can you think of? What about abnormal interest rate ranges?

```
pv(FV = 1000, r = .28, n = 5)
The input for r exceeds the normal
range for interest rates (0-25%)
[1] 1292.36
```

If we add a message() this allows us to:

- notify the user of something
- while still executing the code