Pratice Problems: Set 2

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Read and understand the three given functions w/ trivial names and rename them

```
has_prefix <- function(string, prefix) {
   substr(string, 1, nchar(prefix)) == prefix
}

remove_last <- function(x) {
   if (length(x) <= 1) return(NULL)
      x[-length(x)]
}

replicator <- function(x, y) {
   rep(y, length.out = length(x))
}</pre>
```

Write a function that prints "input must be numeric" if the function input is not numeric and returns two times the number otherwise.

```
must_be_num <- function(x) {
  if (is.numeric(x)) {
    rep(x, 2)
  } else {
    print("Input must be numeric.")
  }
}</pre>
```

Fizzbuzz

```
fizzbuzz <- function(x) {
  if (x %% 3 == 0 && x %% 5 == 0) {
    print("fizzbuzz")
  } else if (x %% 3 == 0) {
    print("fizz")
  } else if (x %% 5 == 0) {
    print("buzz")</pre>
```

```
} else {
   print(x)
}
```

Use the cut() function to simplify the given set of nested if-else statements.

```
if (temp <= 0) {
    "freezing"
} else if (temp <= 10) {
    "cold"
} else if (temp <= 20) {
    "cool"
} else if (temp <= 30) {
    "warm"
} else {
    "hot"
}</pre>
```

Fixed