

Homework 9

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Hooray, it's the last homework! Write all functions in the same text file and submit everything on ELMS. Due April 28.

1. Write a function `myyes` that replicates the `yes` function, without using `yes` itself. It should take one argument and repeat it infinitely. Press Ctrl-C to quit yes.

```
myyes() {  
    # your code here  
}  
  
$ myyes  
y  
y  
y  
...  
$ myyes n  
n  
n  
n  
...
```

2. Write a function `myseq` that replicates the `seq` function, without using `seq` itself. It should take 3 arguments for the start end and step size. If the step size is not given assume that it is equal to one.
3. Write a function `reverse` that reverses standard input using only native Bash (no `tr` or `sed` or `awk` allowed). Hint: it should look like this:

```
reverse() {  
    while read -r line ; do  
        # your code here  
    done  
}
```

4. Write a function `complement` that takes the complement of standard input using only native Bash.
5. Write a function `rc` that uses both `reverse` and `complement` to take the reverse complement of a file.