

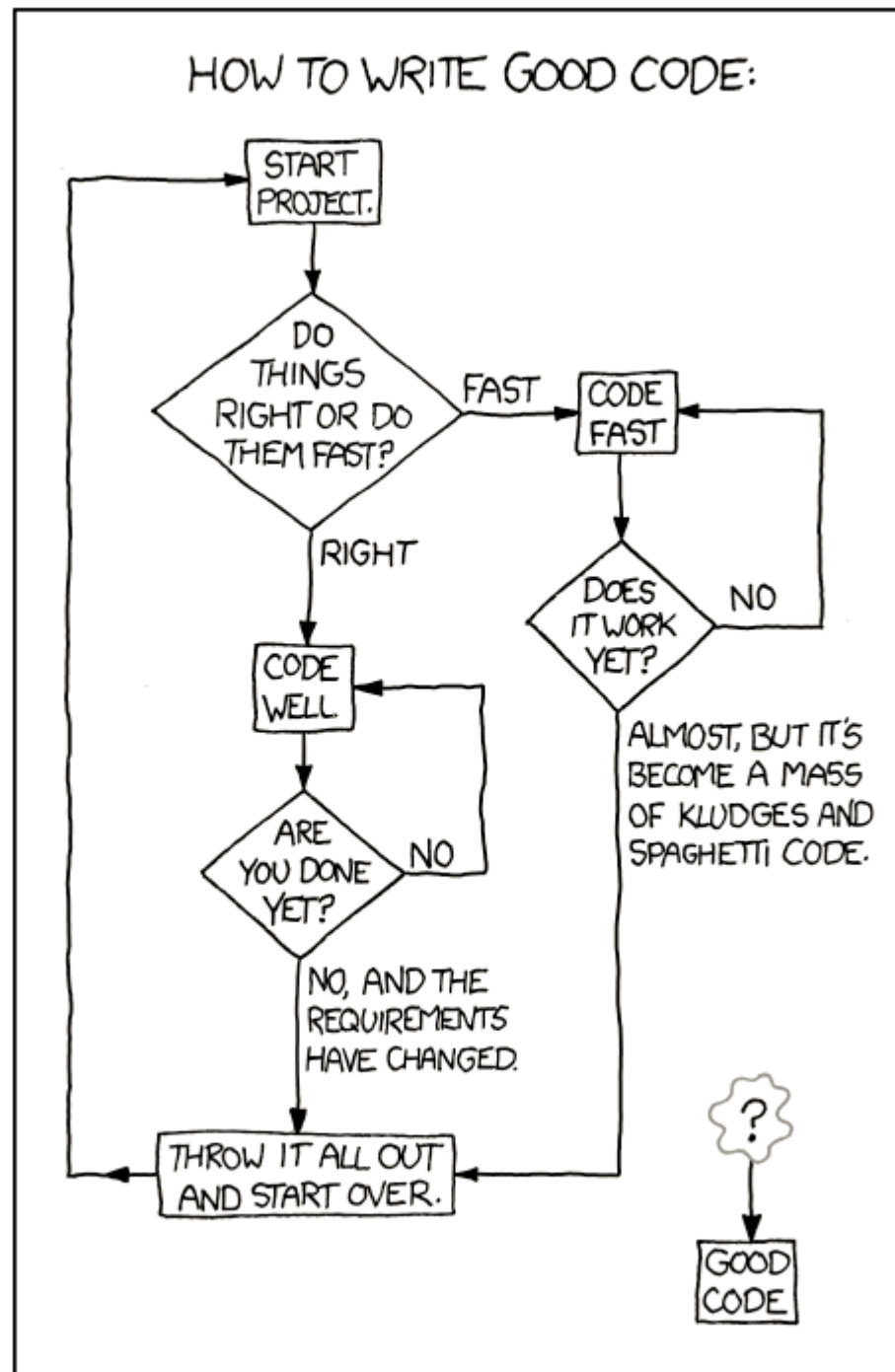
CompSci 101

Introduction to Computer Science

September 16, 2014

Prof. Rodger

xkcd



Announcements

- Reading for next time on the calendar page
 - RQ 6
- APT-2 due today
 - Assignment 3 due Thursday
 - APT-3 out today, due in a week
- Finish lecture notes from last time

Online forms for APTS

- APT Emphasize:

www.bit.ly/101fall14-0916-01

- APT Pancakes:

www.bit.ly/101fall14-0916-02

Compare Ifs

```
best = "UNC Blue Devils"
print best
if best[:3] == "UNC":
    best= "Duke" + best[3:]
print best
```

```
print "num 1 test"
num = int(raw_input("Enter Num: "))
if num > 15:
    print "biggest"
elif num > 10:
    print "bigger"
elif num < 5:
    print "smaller"
else:
    print "middle"
```

```
print "num 2 test"
num = int(raw_input("Enter Num: "))
if num > 15:
    print "biggest"
if num > 10:
    print "bigger"
if num < 5:
    print "smaller"
else:
    print "middle"
```

Dissect the for loop

```
for VARIABLE in STRUCTURE:  
    BODY
```

Repeat the BODY with the VARIABLE equal to each item in structure

What can the structure be?

Variable be?

- STRUCTURE \rightarrow Variable
- String \rightarrow character
- List \rightarrow item in list
- There are other types of structures we will see

Examples

```
answer = 0
for w in range(5,0,-1):
    answer = answer * 10 + w
```

```
answer = ""
word = "NCStateFair"
for some in word:
    answer = answer + " " + some
```