Charles V Fisher
ITIN8000 FA2021
HW1 Reflection

Github Repo Link:
https://github.com/cfisherCPL/ITIIN-8000-Assignments-Charles-Fisher

Write a 1-2 short paragraph reflection on your experience while working on this homework. Things to consider including are:

1. How did you solve problems that you encountered?
2. What didn't work the way you expected?
3. What things helped you work well?
4. Are there things you would have done differently if you had to redo the assignment from scratch to make your life easier?

The majority of problems in python could be solved with a super quick google search, or returning to the cookbook chapters outlined. The intro textbook covers bigger procedural questions that popped up ahead of writing the code alleviating a solid amount of hunting and pecking online. Python just...sorta works if you trust in its basic operations and don't scoff at the simplicity. Ran into a bit of goofiness in formatting strings when coming over from Java land, insofar that I just needed to commit to either using single or double quotes the whole time, and relying on escapes to use them internal to string construction. The true bug-level gotcha was a personal error on assuming toooo much simplicity in the if statement's use of OR. That is noted as in-line comments.

If I had taken the time to use the intro and cookbook as more of a follow-along to work while reading instead of a read, note, work later scenario, I think the majority of my questions (even if they were lite this time) could have been skipped entirely during coding-time. Just committing to transferring the flowchart text directly into pseudo felt right not just as a form of early-coding practice, but left me with better long-term comments and working without having to have 3 or 4 virtual desktops open to flip back to.

```
 1 # Let's add a timestamp. How?
 2 # datetime module import is an option, yeah?
 3 from datetime import datetime
 4
 5 # prompt the user to input their name when they
   start the code
 6 username = input ("Please input your name, and
   press RETURN: ")
 7
 8 # get today's timestamp
 9 today = datetime.now()
10 # print(today)
11 # used printline above to test that this badboi was
    werkin. It is.
12
13 # extract the monthly name from today's date as a
   string and store as a variable for later
14 # https://www.programiz.com/python-programming/
   datetime/strftime
15 # use above as shown in class
16 month_name = today.strftime('%B')  # Laternote:
   keep track of your %format marker
17
18 # extract day of month as a number
19 # day_number = today.day
20 day_number = 10
21 # print(day_number)
22
23 # if the day is 1, 21, or 31, define suffix
   variable as st
24 # if 2 or 22 set as nd
25 # if 3 or 23 set as rd
26 # otherwise set as th
27
28 if day_number == 1 or day_number == 21 or
   day_number == 31:  # early bug: can't just do 1 or
   21 or 31 without individual ==
29     suffix = "st"
30 elif day_number == 2 or day_number == 22:
31     suffix = "nd"
32 elif day_number == 3 or day_number == 23: \
```

```
33          suffix = "rd"
34 else:
35     suffix = "th"
36
37 # print(suffix)
38
39 # Extract the year as a number from today's date
40 year_number = today.year
41
42 # Multiply year number by(times) the day number and
43 # determine if the result number's modulus of 2 is
   zero (it's even) and define the day_type as "even"
44 # else, define as "odd"
45
46 if (year_number * day_number) % 2 == 0:
47     day_type = "even"
48 else:
49     day_type = "odd"
50
51 # print the hello statement as defined below:
52 # “Hello. Today's Date is [Month Name] [Day Number
   ][th/nd/st/rd] of [Year].
53 # # The product of the month and day is [Month
   Number * Day], which is an [Odd/Even] number.
54 print('Hello ' + username + ". " 'Today\'s date is'
   , month_name, str(day_number) + suffix, 'of',
55       str(year_number) + '. The product of the
   month and day is', str(today.month * day_number), '
   which is an',
56       day_type, 'number.')
57
58 # create a new line to print to
59 # print "if you counted..."
60 print('If you counted the days this month so far
   you would have:')
61
62 # LOOP THYME
63 n = 1
64 while n <= day_number:
65     print(n)
66     n += 1
```

```
67
68 print("days.")
69
```

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