Intro to Programming (No Prior Experience)

Class 03 – Module 2 Review

Emily Zhao
T/R 4:55PM–6:10PM

Agenda

— Tutoring Resources

— In-class Warm-up

    — Code-along

    — Review of Error Types

— Grading Feedback Form

— Work on Assignments 1 + 2

Error + Error Types

Types of Errors

— **Syntax Errors:**
Does not follow the rules of the language

— **Runtime Errors:**
Code is fine, but program crashes when it runs

— **Logic Errors:**
Hardest to find; program is correct syntactically, but the output is unanticipated or outright wrong

Programming Challenge: Calculate Half Birthday

— Write a program that takes a user's birth month and birth date and return their half birthday date

Programming Challenge: Calculate Half Birthday

```python
1 # Calculate Half Birthday
2
3 month = int(input("What month were you born? (i.e. 2): "))
4 day = int(input("What day were you born? (i.e. 29): "))
5
6 # How do I calculate a half birthday?
7
8 # Let's find a pattern:
9 # 2/2 --> 8/2; add 6
10 # 12/2 --> 6/2; subtract 6
11 # 10/2 --> 4/2; how do I get 4?
12
13 # Need to come up with formula
14 # (month + 6) % 12
15
16 # print("Your half birthday is", (month + 6) % 12, "/", day)
17 # solve spacing issue with concatenation:
18
19 print("Your half birthday is " + str((month + 6) % 12) + "/" + str(day))
```

Homework

— Assignment #1 (due today at night)
— Self-Paced Learning Module #3 (due Thurs)
— Quiz #3 (due Thurs)
— Assignment #2 (due next Tuesday)