Intro to Programming (No Prior Experience)

06 – Coding Workshop (Assignments 2+3)

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T/R 4:55PM–6:10PM

Agenda

— In-class warm-up
— Go over any questions on Assignment 1
— Work on Assignments 2 + 3

Warm-Up: Multiplication Practice

— Write a program that presents the user with a random multiplication problem with numbers between 1 and 9.
— Give the user one guess to solve the problem.
— Tell the user if they guessed correctly, if not, tell them what the correct answer is.

Warm-Up: Sample Output

```
Let's test your multiplication skills!
What is 7 * 7? 49
You guessed correctly! 7 * 7 is 49.
```

```
Let's test your multiplication skills!
What is 9 * 3? 21
You guess incorrectly. 9 * 3 is 27.
```

Warm-Up: Solution

```python
import random

# generate random numbers
num1 = random.randint(1, 9)
num2 = random.randint(1, 9)
# calculate sum
product = num1 * num2

print("Let's test your multiplication skills!")
answer = int(input("What is " + str(num1) + " * " + str(num2) + "? "))

# check if answer is correct using conditionals
if answer == product:
    print("You guessed correctly!", num1, "*", num2, "is", str(product) + ".")
else:
    print("You guess incorrectly.", num1, "*", num2, "is", str(product) + ".")
```

Homework

— Assignment #2 (due today at night)
— Self-Paced Learning Module #4 (due Thurs)
— Quiz #4 (due Thurs)
— Assignment #3 (due next Tuesday)