COMP 110

CL03 - Practice with Conditionals, While Loops, and Boolean Expressions

Assignments

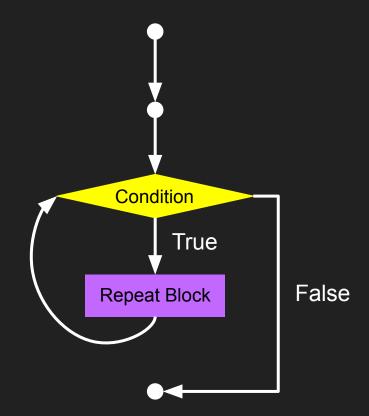
- Only use concepts covered in class
- Late policy:
 - Email comp110help@gmail.com for extension requests
 - Generally only LATE due date is extended
 - Look up late point insurance
 - Late points + Early bonus points calculated at end of semester!

Ed Stem

- For logistical + conceptual questions
- o For exercise questions, you'll likely get redirected to Office Hours

Practice with While Loops

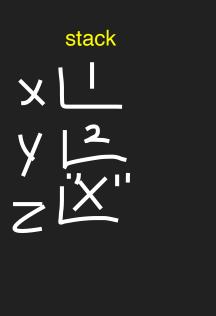
- "Iteration" one pass through a while loop
- Often "i" (or "idx") is used as the counter to track the loop



Practice With Conditionals: What input would give these different outputs?

Practice Memory Diagram

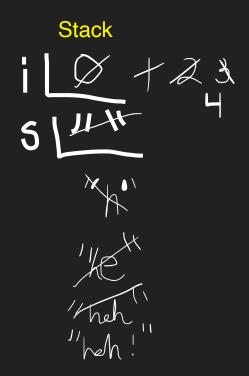
```
x = 1
     y = 2
    z = "x"
    if x > y:
 5
         print(str(x))
 6
     else:
 8
         if y % 2 == 0:
             print(str(y))
 9
10
     print(z)
```





Practice Memory Diagram

```
"""A tracing practice question"""
 2
3
    i: int = 0
    s: str = ""
 5
    while i < 4:
         if i % 2 == 0:
 8
         else:
10
             if i % 3 == 0:
11
12
             else:
                 s = s + "e"
13
14
         i = i + 1
```



Output

Practice With Loops

Writing some code...

Write a program that guesses a random number but gives clues about whether or not their guess was even or odd, too high or too low...