

Quiz 01 - Practice

COMP 110: Introduction to Programming, Fall 2025

September 18, 2025

Name: _____

9-digit PID: _____

Do not begin until given permission.

Honor Code: I have neither given nor received any unauthorized aid on this quiz.

Signed: _____

Question 1: Conditionals For the following subquestions, answer with a valid argument for `display` that would cause the given letter to print. **It is OK for your input to cause other letters to print as well!** If there is no such value, write "Unreachable".

```
1 def display(n: int) -> None:
2     if n * 2 > 10:
3         print("Hello")
4     else:
5         if (n % 5 == 0) or (n == 7):
6             print("Howdy")
7         else:
8             print("Hiya")
9
10    if n == len("Weekday"):
11        print("Sup")
```

1.1. "Hello"

1.2. "Howdy"

1.3. "Hiya"

1.4. "Sup"

Question 2: Trace a memory diagram of the following code listing.

```
1 def jump(word: str) -> str:
2     i: int = len(word) - 1
3     while i >= 0:
4         if i % 2 == 1:
5             print(word[i])
6         else:
7             print(i)
8             i = i - 1
9
10    return word[0]
11
12 jump(word="yolo")
```

Output



Stack

Heap

Globals



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