Quiz 4

March 15, 2024

1. What is the output of the following code?

result = 33

result 0 0+0+3=3 2+3+3=9 13+9+3=30 11+30+3=33

2. What is the output of the following code?

```
num = 1
while (num * num <= 50):
    print(num)
    num = num + 2

print(f"num = {num}")

Output:</pre>
```

num = 9

Scratch num 12=1 \(\sigma\) 12=1 \(\sigma\) 12=9 \(\sigma\) 12=25 \(\sigma\) 12=35 \(\sigma\) 12=49 \(\sigma\) 12=49 \(\sigma\) 12=49 \(\sigma\)

- 3. Write Python code that classifies a list of temperature readings into three categories: "Cold", "Moderate", and "Hot". Use the following criteria for classification:
 - (a) Temperatures below 10°C are considered "Cold".
 - (b) Temperatures between 10°C and 25°C (inclusive) are considered "Moderate".
 - (c) Temperatures above 25°C are considered "Hot".

Your code should take a list like temperatures = [2, 15, 20, 30, -5, 25, 28], loop through the list, and print the classification of each temperature. Just write the code – no need to write the output.

for temp of temportus:

if temp > 0 25:

print("Hot")

elif temp >= 10:

print ("modrate")

else:

print(" cold")