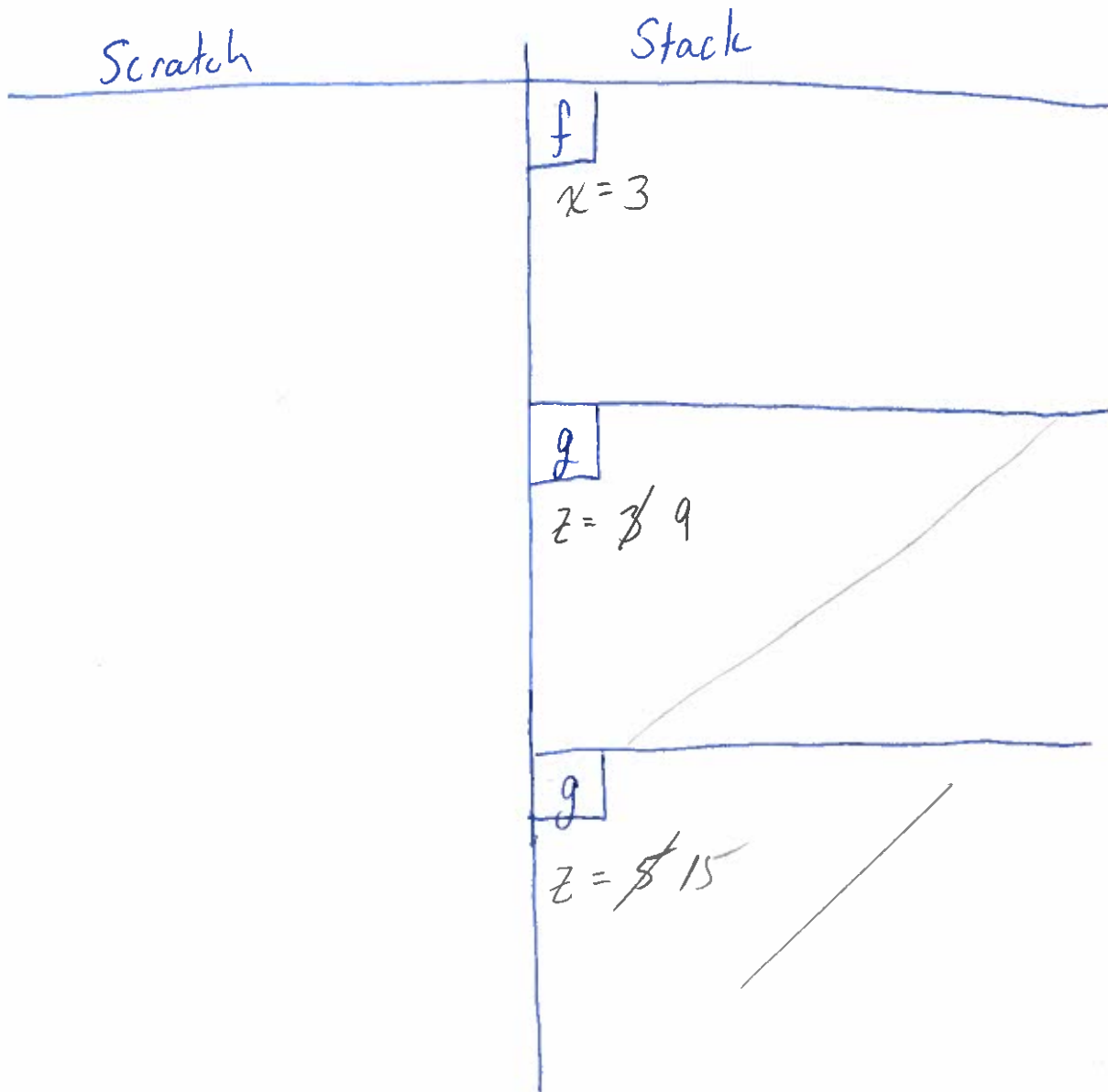


2022-02-18 Function Stack Tracing

Solutions to the First Stack Tracing Problems  
The code is in the .py file for Today

1)



Printed Output

9

15

3

2)

Scratch

Stack

main

bob

$x = 6$

$y = 7$

26

alice

$z = 13$

26

Printed output

26

2.5)

Scratch

Stack

alice(8) + alice(-2)  
16 + 8

main

bob

x = 8

y = -2

alice

z = 8

alice

z = -2

24

16

8

Printed output

24

3)

Scratch

Stack

main 3

 $x = 5$ 

bbb

 $x = 7$  $y = 2$ 

5

aaa

 $x = 5$  $s = 'hi'$  $z = 28$ 

28

aaa

 $x = 4$  $s = 'abcd'$  $z = 10$ 

10

bbb

 $x = 3$  $y = 14$ 

4

Printed Output

I do not like the number 5.

28

My string is abcd and my number is 4.

10

4) Scratch

Stack

main 4

while-ex

n = 3

i = 0 1 2 3

j = 0 0 1 3

3

while-ex

n = 4

i = 0 1 2 3 4

j = 0 0 1 3 6

6

Printed Output

3

6