

# CSCI Exam # 2 Practice

## Tracing Solutions + In Class Code

1)

Scratch

Stack

main

~~a = 4~~ 6 7

b = 7

~~s = 1~~ 20 120

Printed output

120

2)

Scratch

Stack

main 2 /

f2 /

x=5

f1 /

f1 /

f2 /

x=6 7

f1 /

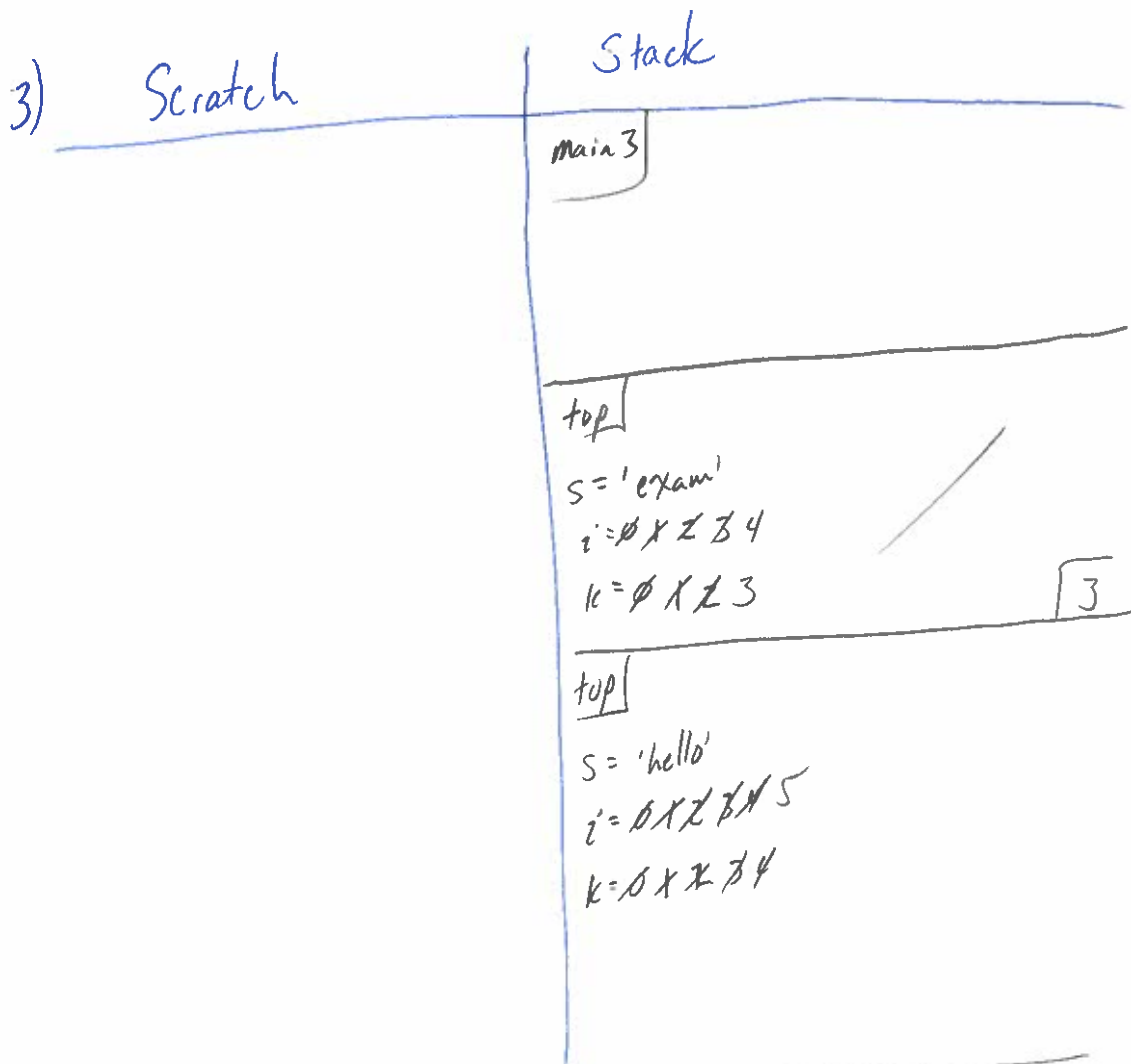
Printed output

'Hello there'

'Goodbye!'

'Hello there'

'Hello there'



Printed Output

3

4

4) def same-char(s: str, t: str) → int:

i = 0

count = 0

while i < len(s): # you can also do len(t)

if s[i] == t[i]:

count += 1

i += 1

return count

5) def positive-only(lst: List[int]) → List[int]:

new-list = []

i = 0

while i < len(lst):

if lst[i] > 0:

new-list.append(lst[i])

i += 1

return new-list