Lecture 08 Exercises
CS 51P – Fall 2023

Draw the time sequence for the stack frame generated by the call `foo(2, 3)`.

```
def foo(a, b):
   1  x = a + b
   2  y = 2 * b
   3  return 2 * x + y
```

Assume the first user input is "hello" and the second user input is "47". Draw the state of the stack immediately before Python executes line 9 (the return statement in get_pos_int).

```
def is_pos_int(s):
   1  if str.isdigit(s):
   2       return int(s) > 0
   3  else:
   4       return False
def get_pos_int():
   5  done = False
   6  while not done:
   7       s = input()
   8       done = is_pos_int(s)
   9  return s
def main():
   10 get_pos_int()

main()
```