

## Quiz 3

1. Write a function with three parameters ( $a$ ,  $b$ , and  $x$ ). Have the function return **True** if  $a \leq x \leq b$ , and **False** otherwise.
2. Consider the following code snippet:

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```
val = int(input())
if val < 10:
    if val != 5:
        print("wow")
    else:
        val += 1
else:
    if val == 17:
        val += 10
    else:
        print("whoa")
print(val)
```

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What will the program print if the user provides the following input?

- (a) 3
  - (b) 21
  - (c) 5
  - (d) 17
3. Write some code to calculate the sum of the first  $n$  integers, where  $n$  is specified by the user (for example: if  $n = 5$ , the result should be  $1 + 2 + 3 + 4 + 5 = 15$ )