1. ‘1’is an operand, so it will be pushed into the stack. So do ‘2’and ‘3’.

Then opr2 = 3, opr1 = 2.

[1,2,3] [1,6] [7]

1. [1, 2] [3,3] [9] [9,4] [13]
2. [6,3] [2] [2,2,4] [2,6] [12,5] [2.4]

3.

a) 1+ … + (n - 1) = n\*(n - 1)/2

b) def sum(n):

print("{0:<8}{1:<8}".format("n","sum"))

result = 0

for i in range(1,n+1):

result = result + i

print("{0:<8d}{1:<8d}".format(i,result))