1) Warm-up (question 4 from last Wednesday)
What is the output of each of the following programs?

a) days = ['Mon', 'Tues', 'Wed', 'Fri']
   days[2] = 'Thurs'
   days[-1] = 'Sat'
   days [0:2] = ['Sun', 'Mon']
   print(days)

b) primes = [2, 3, 5, 7]
   primes[2:2] = [11, 13]
   primes[0] = [17, 19]
   primes[5:] = []
   print(primes)

c) letters = ['a','e','h','m']
   letters[2:2] = ['h']
   letters[:2] = ['q', 'r', 's']
   del letters[2:4]
   print(letters)

2) List methods (question 5 from last Wednesday)
Rewrite each of the previous programs to use list methods instead of assignment statements.

a)
3) Iterating over lists

What is the output of the following programs?

a) costs = [ 1.50, 9.00, 5.00 ]
   subtotal = 0
   for index in range(len(costs)):
       costs[index] = costs[index] / 2
       subtotal = subtotal + costs[index]
   costs.append(subtotal*0.1)
   print(costs)

b) colors = ['red', 'yellow', 'blue']
   combos = []
   for c in range(len(colors)-1):
       mix = colors[c] + '+' + colors[c+1]
       combos[0:0] = [mix]
   print(combos)