```
In [29]: A_letters = []
         for letter in 'ACADGILD':
             A_letters.append(letter)
         print(A letters)
         ['A', 'C', 'A', 'D', 'G', 'I', 'L', 'D']
In [31]: | input_list = ['x','y','z']
         result = [ item*num for item in input list for num in range(1,5) ]
         print(str(result))
         ['x', 'xx', 'xxx', 'xxxx', 'y', 'yy', 'yyy', 'z', 'zz', 'zzz', 'zzzz']
In [32]: input list = ['x','y','z']
         result = [ item*num for num in range(1,5) for item in input_list ]
         print(str(result))
         ['x', 'y', 'z', 'xx', 'yy', 'zz', 'xxx', 'yyy', 'zzz', 'xxxx', 'yyyy', 'zzzz']
In [33]: input_list = [2,3,4]
         result = [ [item+num] for item in input list for num in range(0,3)]
         print(str(result))
         [[2], [3], [4], [3], [4], [5], [4], [5], [6]]
In [34]: input_list = [2,3,4,5]
         result = [ [item+num for item in input list] for num in range(0,4) ]
         print(str(result))
         [[2, 3, 4, 5], [3, 4, 5, 6], [4, 5, 6, 7], [5, 6, 7, 8]]
In [35]: input list=[1,2,3]
         result = [ (b,a) for a in input list for b in input list]
         print(str(result))
         [(1, 1), (2, 1), (3, 1), (1, 2), (2, 2), (3, 2), (1, 3), (2, 3), (3, 3)]
In [ ]:
```