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M In [4]: my_word ="ACADGILD"
my list = [letter for letter in my word]
print(my list)
my items = ['x', 'y', 'z']
new items=[item*num for item in my items for num in range(1,5)]
print(new items)
my items =['x','y','z']
new items=[item*num for num in range(1,5) for item in my items]
print(new items)
my num = [2, 3, 4]
new num =[[item+num] for item in my num for num in range(0,3)]
print(new num)
my num2 = [2,3,4,5]
new num2 =[[item+num for item in my num2 ]for num in range(0,4)]
print(new num2)
my num3 = [(y,x) for x in [1,2,3] for y in [1,2,3]
print(my num3)
 ['A', 'C', 'A', 'D', 'G', 'I', 'L', 'D']
 ['x', 'xx', 'xxx', 'xxxx', 'y', 'yy', 'yyy', 'yyyy', 'z', 'zz', 'zzz', 'zzzz']
 ['x', 'y', 'z', 'xx', 'yy', 'zz', 'xxx', 'yyy', 'zzz', 'xxxx', 'yyyy', 'zzzz']
 [[2], [3], [4], [3], [4], [5], [4], [5], [6]]
 [[2, 3, 4, 5], [3, 4, 5, 6], [4, 5, 6, 7], [5, 6, 7, 8]]
 [(1, 1), (2, 1), (3, 1), (1, 2), (2, 2), (3, 2), (1, 3), (2, 3), (3, 3)]
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