

Assignment_24.11476

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In [4]:

```
Word = "ACADGILD"
List = [letter for letter in Word]
print(List)

Items = ['x','y','z']
New_Items=[item*num for item in Items for num in range(1,5)]
print(New_Items)

Items = ['x','y','z']
New_Items=[item*num for num in range(1,5) for item in Items]
print(New_Items)

Number = [2,3,4]
New_Number = [[item*num] for item in Number for num in range(0,3)]
print(New_Number)

My_Number2 = [2,3,4,5]
New_Number2 = [[item*num for item in My_Number2]for num in range(0,4)]
print(New_Number2)

My_Number3 = [(y,x) for x in [1,2,3] for y in [1,2,3] ]
print(My_Number3)
```

```
['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)]
```

In []: