

The image shows a screenshot of an IDE (likely PyCharm) with a Python script named 'Quiz 1 (January 28, 2021).py' open. The script defines a function 'get\_three' that takes a list of numbers and returns a list of all possible combinations of three numbers from that list. The script also includes a main block that initializes two lists, l1 and l2, and then calls the 'get\_three' function on each. The results are printed, with the output for l3 being split across two lines for better readability.

```
1 results = []
2 for i in range(n - 2):
3     for j in range(i + 1, n - 1):
4         for k in range(j + 1, n):
5             result = [x[i], x[j], x[k]]
6             results.append(result)
7
8 return results
9
10 if __name__ == '__main__':
11     l1=[1, 2, 3, 4]
12     l2=[7, 3]
13     l3=[4, 1, 7, 4, 3, 9, 1, 5]
14     print('l1:', get_three(l1))
15     print('l2:', get_three(l2))
16     ans = get_three(l3)
17     print('l3:', ans[:15])
18     print('l3:', ans[15:])
```

The Run console shows the output of the script:

```
Run: Quiz 1 (January 28, 2021)
E:\Anaconda3\python.exe "D:/程序/algorithm/Quiz 1 (January 28, 2021).py"
l1: [[1, 2, 3], [1, 2, 4], [1, 3, 4], [2, 3, 4]]
l2: []
l3: [[1, 3, 4], [1, 3, 5], [1, 3, 7], [1, 3, 9], [1, 4, 5], [1, 4, 7], [1, 4, 9], [1, 5, 7], [1, 5, 9], [1, 7, 9], [3, 4, 5], [3, 4, 7], [3, 4, 9], [3, 5, 7], [3, 5, 9]]
l3: [[3, 7, 9], [4, 5, 7], [4, 5, 9], [4, 7, 9], [5, 7, 9]]
Process finished with exit code 0
```