117. Permutations and Combination
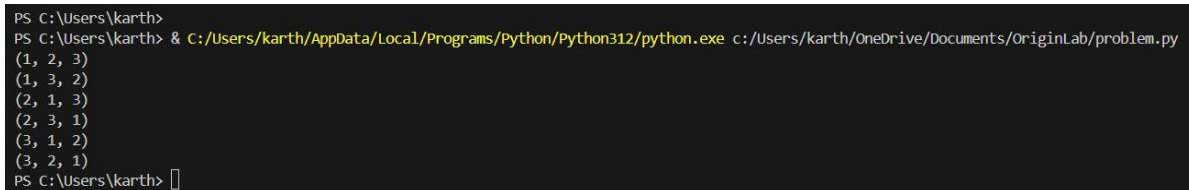
Code:

```
import itertools

def generate_permutations(iterable):

    return list(itertools.permutations(iterable))

nums = [1, 2, 3]

perms = generate_permutations(nums)

for perm in perms:

    print(perm)
```

output:

```
PS C:\Users\karth>
PS C:\Users\karth> & C:/Users/karth/AppData/Local/Programs/Python/Python312/python.exe c:/Users/karth/OneDrive/Documents/OriginLab/problem.py
(1, 2, 3)
(1, 3, 2)
(2, 1, 3)
(2, 3, 1)
(3, 1, 2)
(3, 2, 1)
PS C:\Users\karth>
```

Time complexity:$f(n)=0(n)$