```
main.py
±X
v / F 🌣 😘
..Program finished with exit code 0 Press ENTER to exit console.
   1 import math
   2
3 def getPermutation(n, k):
4    nums = [str(i) for i in range(1, n + 1)]
5    result = ""
          result =
k -= 1
while n > 0:
    n -= 1
    index, k = @ivmod(k, math.factorial(n))
    result += nums.pop(index)
return result
  > / [ 수 명
213
                                                                                         input
...Program finished with exit code 0
Press ENTER to exit console.
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```
def maxSubArray(nums):
            max_sum = current_sum = nums[0]
for num in nums[1:]:
    current_sum = max(num, current_sum + num)
    max_sum = max(max_sum, current_sum)
return max_sum
   8 nums = [-2, 1, -3, 4, -1, 2, 1, -5, 4]
9 print(maxSubArray(nums))
v / □ ☆ s
                                                                                                   input
...Program finished with exit code 0 Press ENTER to exit console.
main py
  1 def combinationSum2(candidates, target):
            res = []
            def backtrack(start, path, target):
    if target == 0:
        res.append(path)
                                                                                                                                                                                                      *X
                                                                                                                                                                                                      0
                   if target < 0:
                  return
for i in range(start, len(candidates)):
   if i > start and candidates[i] == candidates[i - 1]:
                                                                                                                                                                                                       0
                        backtrack(i + 1, path + [candidates[i]], target - candidates[i])
             candidates.sort()
backtrack(0, [], target)
             return res
 19 candidates = [10, 1, 2, 7, 6, 1, 5]
      target = 8
print(combinationSum2(candidates, target))
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                                                                                               input
[1, 1, 6], [1, 2, 5], [1, 7], [2, 6]]
..Program finished with exit code 0 Press ENTER to exit console.
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```
1 def permuteUnique(nums):
             res = []
             def backtrack(nums, path):
                  if not nums:
                  res.append(path)
return

for i in range(ler(nums)):
    if i > 0 and nums[i] == nums[i - 1]:
        continue
                        backtrack(nums[:i] + nums[i + 1:], path + [nums[i]])
                         ()
             nums.
             backtrack(nums, [])
  return res
16 nums = [1, 1, 2]
17 print(permuteUnique(nums))
...Program finished with exit code 0 Press ENTER to exit console.
main.py
      def combinationSum(candidates, target):
           res = []
           def backtrack(start, path, target):
                if target == 0:
    res.append(path)
                                                                                                                                                                               ±¥
                if target < 0:
                return

for i in range(start, ler(candidates)):
   backtrack(i, path + [candidates[i]], target - candidates[i])
                                                                                                                                                                               0
           candidates.sort()
backtrack(0, [], target)
     candidates = [2, 3, 6, 7]
 target = 7
print(combinationSum(candidates, target))
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                                                                                   input
[2, 2, 3], [7]]
..Program finished with exit code 0 Press ENTER to exit console.
```

```
1 def solvesudoku(board):
          if board[sub_box_row + i // 3][sub_box_col + i % 3] == num:
          def back(board):
                      row in range(9):
for col in range
                 for row in
                           col in range(9):
   if board[row][col] == '.':
        for num in mar(str, range(1, 10)):
        if is_valid(board, row, col, num):
            board[row][col] = num
        if back(board):
                                           board[row][col] = '.'
            back(board)
      sudoku = [
['5', '3',
['6', '.',
                          '.', '.', '7', '.', '.', '.', '.'], '.'], '.'], '1', '1', '9', '5', '.', '.', '.'],
..Program finished with exit code 0 Press ENTER to exit console.
      def lengthOfLastWord(s):
                         ()
(s.
           s = s.s
                                   t()[-1]) if s else 0
  5 s = "Hello World"
6 print(lengthOfLastWord(s))

√ √ □ ♦ 9
                                                                                     input
... Program finished with exit code 0
Press ENTER to exit console.
```