Lab 8

1. Devise an algorithm for the following problem using backtracking.
   Knapsack Problem. Given a set S = {s_0, s_1, …, s_{n-1}} of items, weights {w_0, w_1,…, w_{n-1}} and values {v_0, v_1, …, v_{n-1}} , a max weight W and a min value V, find all subsets T of S whose total value at least V and total weight is at most W.
2. https://leetcode.com/problems/permutations/description/
3. https://leetcode.com/problems/letter-combinations-of-a-phone-number/description/