



DSA SERIES

- Learn Coding



Topic to be Covered today

Backtracking



LETS START TODAY'S LECTURE

77. Combinations

```
class Solution {
public:
    vector<vector<int>> result;

    void solve(int start, int n, int k, vector<int>& temp) {
        if (k == 0) {
            result.push_back(temp);
            return;
        }

        if (start > n) {
            return;
        }

        temp.push_back(start);
        solve(start + 1, n, k - 1, temp);

        temp.pop_back();
        solve(start + 1, n, k, temp);
    }
}
```

```
vector<vector<int>> combine(int n, int k) {  
    vector<int> temp;  
  
    solve(1, n, k, temp);  
  
    return result;  
}  
};
```

More Questions to Practice

<input type="checkbox"/> Target Sum	Medium
<input type="checkbox"/> Combinations	Medium
<input type="checkbox"/> Letter Combinations of a Phone Number	Medium
<input type="checkbox"/> Letter Case Permutation	Medium
<input type="checkbox"/> K-th Lexicographical String of All Happy Strings of Length n	Medium
<input type="checkbox"/> Combination Sum	Medium
<input type="checkbox"/> Combination Sum II	Medium
<input type="checkbox"/> Combination Sum III	Medium
<input type="checkbox"/> Maximum Compatibility Score Sum	Medium
<input type="checkbox"/> Numbers with Same Consecutive Differences	Medium
<input type="checkbox"/> N-Queens	Hard



Learn coding

THANK YOU