You will memoize the code if there is overlapping subproblem.

In memoization you will maintain a data structure

1. **n-d Array** 
   1. Dimension will be determined based on number of (varying parameters)

Ex. In Knapsack( wt[], val[], W, n) here W and n are two varying parameters.

Bottom Up Approach :

In this case you will make matrix.

Benefits :

1. **It saves space**

In case of top down approach, functions call are maintained in stack data structure.

If input is large top down will result in StackOverFlow Error

Therefore Bottom Up approach is a better option.

