**Dynamic Programming**

**From where I am going to study and practice DP,**

* CLRS
* GFG
* ByteByByte pdf
* Interview bit
* Codechef
* Hackerrank
* YouTube videos
* DP notes

Note : - Here I am not going to write the whole theory and complete explanation. This repository is just for quick revision and to remind me what I have studied till now and provide the link of the original resource from where I have actually studied that topic. Therefore if I want to check the original resource then I can easily check that.

Note:- the order of this file is in that order in which I have studied them.

1. **Some Good Videos:**

* Live Webinar on Dynamic Programming | By Ankush Singla | Coding Ninjas

Link: <https://www.youtube.com/watch?v=rs6lZan3pIU&list=PL3D9ZmW9-bkutVtjBa6wbUr38NczKQZpg&index=28&t=0s>

# Live webinar on Dynamic programming [Hinglish] - by Prateek Narang, Coding Blocks

# Link: <https://www.youtube.com/watch?v=X7SrnbgqHHs&list=PL3D9ZmW9-bkutVtjBa6wbUr38NczKQZpg&index=26>

# Algorithms: Memoization and Dynamic Programming

# Link: <https://www.youtube.com/watch?v=P8Xa2BitN3I>

# Rod Cutting Problem from CLRS and variation

# Cutting a Rod dp-13

# TL: <https://www.geeksforgeeks.org/cutting-a-rod-dp-13/>

# Cutted segments

# PL: <https://practice.geeksforgeeks.org/problems/cutted-segments/0>

# Matrix Chain Multiplication | DP-8

# TL: <https://www.geeksforgeeks.org/matrix-chain-multiplication-dp-8/>

# PL: <https://practice.geeksforgeeks.org/problems/matrix-chain-multiplication/0>

# Min step to one

# PL: <https://codezen.codingninjas.in/practice/471/852/min-steps-to-one>

# Ways to make change(or coin change problem)

# PL: <https://codezen.codingninjas.in/practice/471/855/ways-to-make-coin-change>

# TL: <https://www.geeksforgeeks.org/coin-change-dp-7/>

# PL: <https://practice.geeksforgeeks.org/problems/coin-change/0>

# Longest common subsequence and printing it

# TL: <https://www.geeksforgeeks.org/longest-common-subsequence-dp-4/>

# TL: <https://www.geeksforgeeks.org/printing-longest-common-subsequence/>

# PL: <https://practice.geeksforgeeks.org/problems/longest-common-subsequence/0>

# PL: <https://codezen.codingninjas.in/practice/471/859/longest-common-subsequence>

# Stairs

# PL : <https://www.interviewbit.com/problems/stairs/>

# PL : <https://codezen.codingninjas.in/practice/471/846/staircase>

# Min Sum Path in Matrix

# PL : <https://www.interviewbit.com/problems/min-sum-path-in-matrix/>