https://www.linkedin.com/posts/sanialdas\_leetcode-softwareengineering-engineering-activity-7190255648494743552-FbS3?utm\_source=share&utm\_medium=member\_desktop

Hello LinkedIn fam,  
  
I've created dynamic programming (DP) questions with similar patterns and included their Python solutions below. Working on questions with similar patterns not only enhances problem-solving skills but also boosts confidence across various problems. This was my go-to interview preparation technique during placement seasons.  
  
Hope these attachments are helpful for those in need. Ping me freely for any queries and for referrals if you find any openings of [Media.net](https://www.linkedin.com/company/media.net/)  
  
The list comprises beginner to intermediate level problems aimed at strengthening your fundamentals and gradually enhancing your problem-solving skills for complex algorithms  
  
1. Knapsack :  
problems : <https://lnkd.in/gyPfKB5A>  
Github : <https://lnkd.in/gdftCc3r>  
  
2. Unbounded knapsack :  
problems : <https://lnkd.in/gZqH9XUq>  
Github : <https://lnkd.in/gN5Uig3y>  
  
3. LCS :  
problems : <https://lnkd.in/gU86ijTm>  
Github : <https://lnkd.in/gdXd-isr>  
  
4. LIS :  
problems : <https://lnkd.in/gSWxxzWT>  
Github : <https://lnkd.in/gn86Pw4E>  
  
5. Catalan numbers :  
problems : <https://lnkd.in/gD56rC5P>  
Github : <https://lnkd.in/gAtETGP2>  
  
6. MCM :  
problems : <https://lnkd.in/gv94P2cs>  
Github : <https://lnkd.in/g5VVhpiV>  
  
7. DP (recursion + memoization)  
problems : <https://lnkd.in/ghU3ERw9>  
Github : <https://lnkd.in/gZQRZEvn>  
  
[#leetcode](https://www.linkedin.com/feed/hashtag/?keywords=leetcode&highlightedUpdateUrns=urn%3Ali%3Aactivity%3A7190255648494743552) [#softwareengineering](https://www.linkedin.com/feed/hashtag/?keywords=softwareengineering&highlightedUpdateUrns=urn%3Ali%3Aactivity%3A7190255648494743552) [#engineering](https://www.linkedin.com/feed/hashtag/?keywords=engineering&highlightedUpdateUrns=urn%3Ali%3Aactivity%3A7190255648494743552) [#DP](https://www.linkedin.com/feed/hashtag/?keywords=dp&highlightedUpdateUrns=urn%3Ali%3Aactivity%3A7190255648494743552)