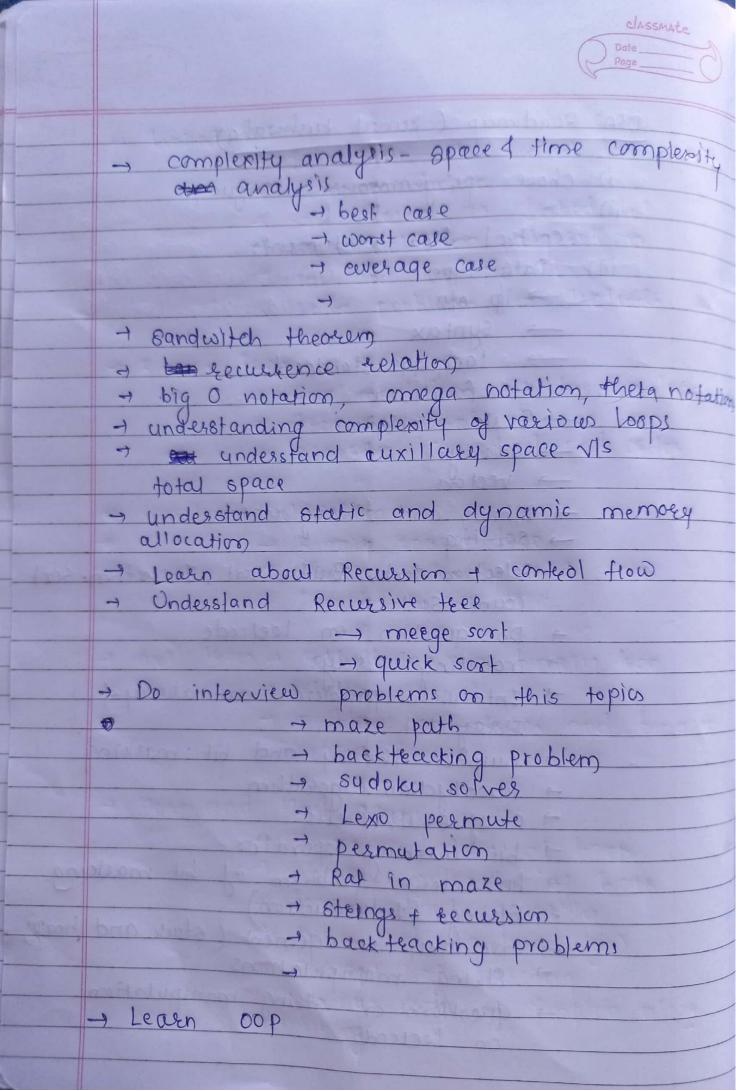
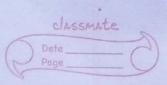
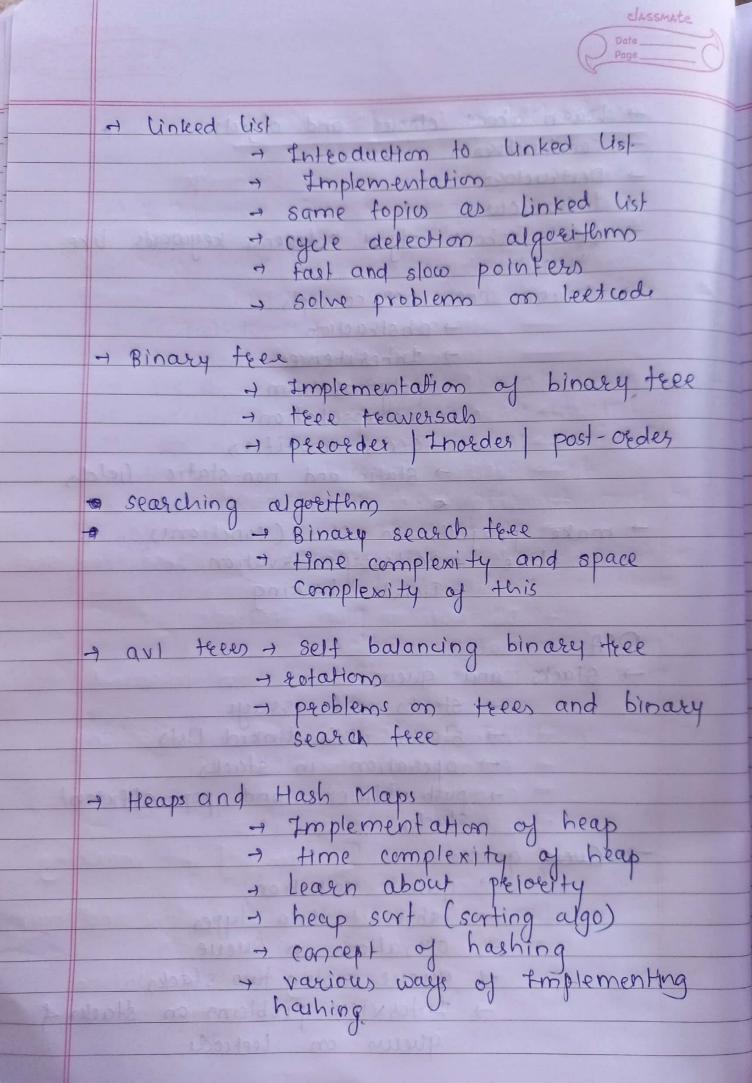
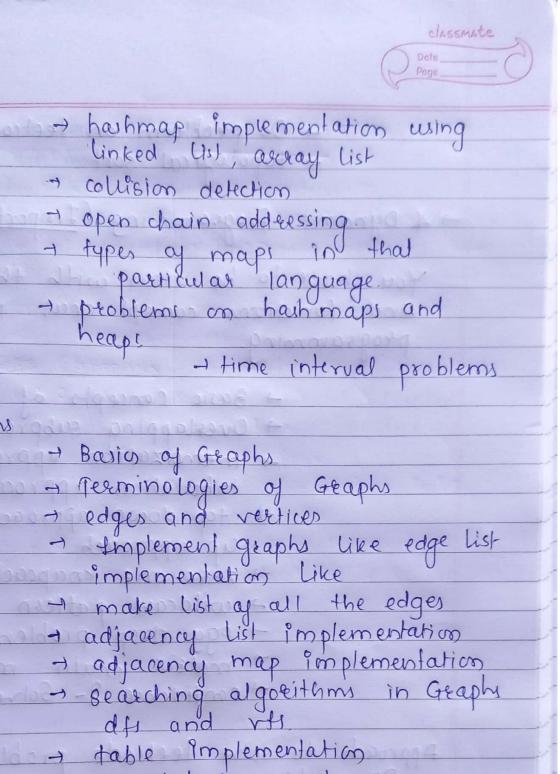
Page
DSA Roadmap (kunal kushwaha)
THE RESIDENCE OF THE PARTY CONTRACTOR OF THE PARTY OF THE
i) chose peogramming language
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conteol flow statements
iii) Data type
- ip oip
- Syntax present definition to
-> language standard
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-> Basic peoblems
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-> Linear and binary search
7 3 3 1 1 1 1 1
selection sort, Bubble sort, Insertion sort
country Scriff among backabou +
+ Do question on beetcode
- rotating alrays
- Interviels problems on array of
array list.
- number theory and bit masking
- r eucalydian algorithm
- c of érathemesis
-> bit masking operator.
+ Interview problem of bit masking.
- Steings (Introduction)
- memory maringerian
-> Steing manipulations atein manipulation
- question on steing manipulation on leetcode.
on we come.





Date Page
-> Leasen about classes and objects
→ consteuctors
> Destructors
- behaviours
-> Learn about object telerence keywords like
- Learn core our concepts
→ abstraction
-> Inheritence
+ polymotphism
+ 'encapsulation
- access modifier
-> Static and non-static fields
and participation of participations of
+ make projects in this (tanctions)
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DSA wand paparabat 1102 + asst In
-> Stacks and queus
- stacks with arrays
- Stacks with linked lists
- operation in stacks
+ push efficient and pop-efficient stacles
-) Quew
of generic collection
a obsteact data types
- operations in Queue
7 (11011) (11101) (200 3100)
- Interview problems on stacks of
queux on leetcode

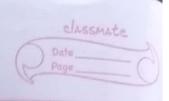




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- Basics of Graphs
- resminologies of Geaphs
and vertices
- Implement graphs like edge list
implementation like
- make list of all the edges
- adjacency list implementation
- adjacency map implementation
-> seasching algorithms in Graphs
df and vf.
- table implementation
- connected components,
cycle detection, path tinding
algorithm Uke cruskal
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- negative weights
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Scanned with CamScanner

collision detection

heaps



- Do peoblem en leetrode - Hopological sort

## -> \* Dynamic Programming (Important)

you have to be clear with the recursion and functions concept dear in dynamic programming.

- + Basic concepts of DP
- Overlapping subproblems
- memoization approach v/s
- of approach and bottom
- zero- on e knapsack problem
- wildcast pattern problem
- egg drop problem
- mateix chain multiplication
- -> eontidence &- Solve problems

## Approach to solve leetcode problem mostly

- Don't give move than 40 min to one problems
- it for 15 mins, If and difficult to solve them look for hints if you are not able to solve them yet look at the final solution then come back to that problem after one week

