" Those who forget the past are forced to repeat it "

" Dynamic Programming :→
Solving smaller overlapping subproblems to solve a bigger problem.

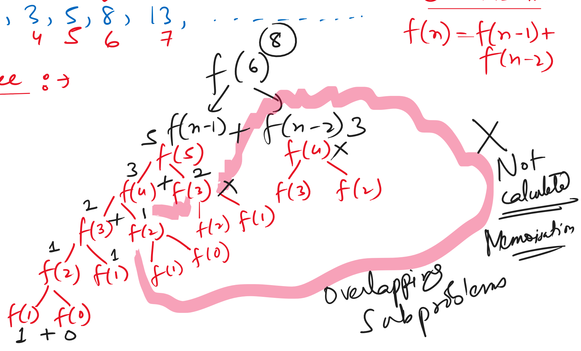
(I) Recursion
(II) Memoisation → Don't calculate Previous Values → Top Down
(III) Tabulation → Store Previous Values → Bottom Up
(IV) Space Optimization → Possible for some case

0, 1, 1, 2, 3, 5, 8, 13, ...
0 1 2 3 4 5 6 7

6th Fib No
$f(n) = f(n-1) + f(n-2)$

Recursion Tree :→

$f(0) = 0$
$f(1) = 1$



Create DP Table for 1D → Fib Sequence
Min no of Jumps
2D → LIS
Longest Increasing Subsequence

R
↓
M
↓
T
↓
S
(TLE)

C++ (A + C + T)
** (unique pointer) 1.2cr

Interviews: OOPs + Exception Handling + File Handling
(OSI Model)

O/S → (Scaler) → Concurrency & Multitasking
Threads
Process

* C++ → Striver Code Help

Great Learning
numpy | excel
scipy | SQL
matplotlib
seaborn
pyspark (apache)
csv, json,
os,
openpyxl
pandas
Tableau | Power BI

Chai Aur Code

Java → Kunal Kushwaha
Smart Programming Teluska

OS / DBMS → Raghav Pal

Free Code Camp
(Codes Arcade) (DevOps)
(12 experiments)

(Traversy Media)
(Java Script)

Resume - CV :→
C, C++, Java, Python, SQL,

Feedback :→ (2307 5)

N-
A-
I-
F-
H-

Study → 30