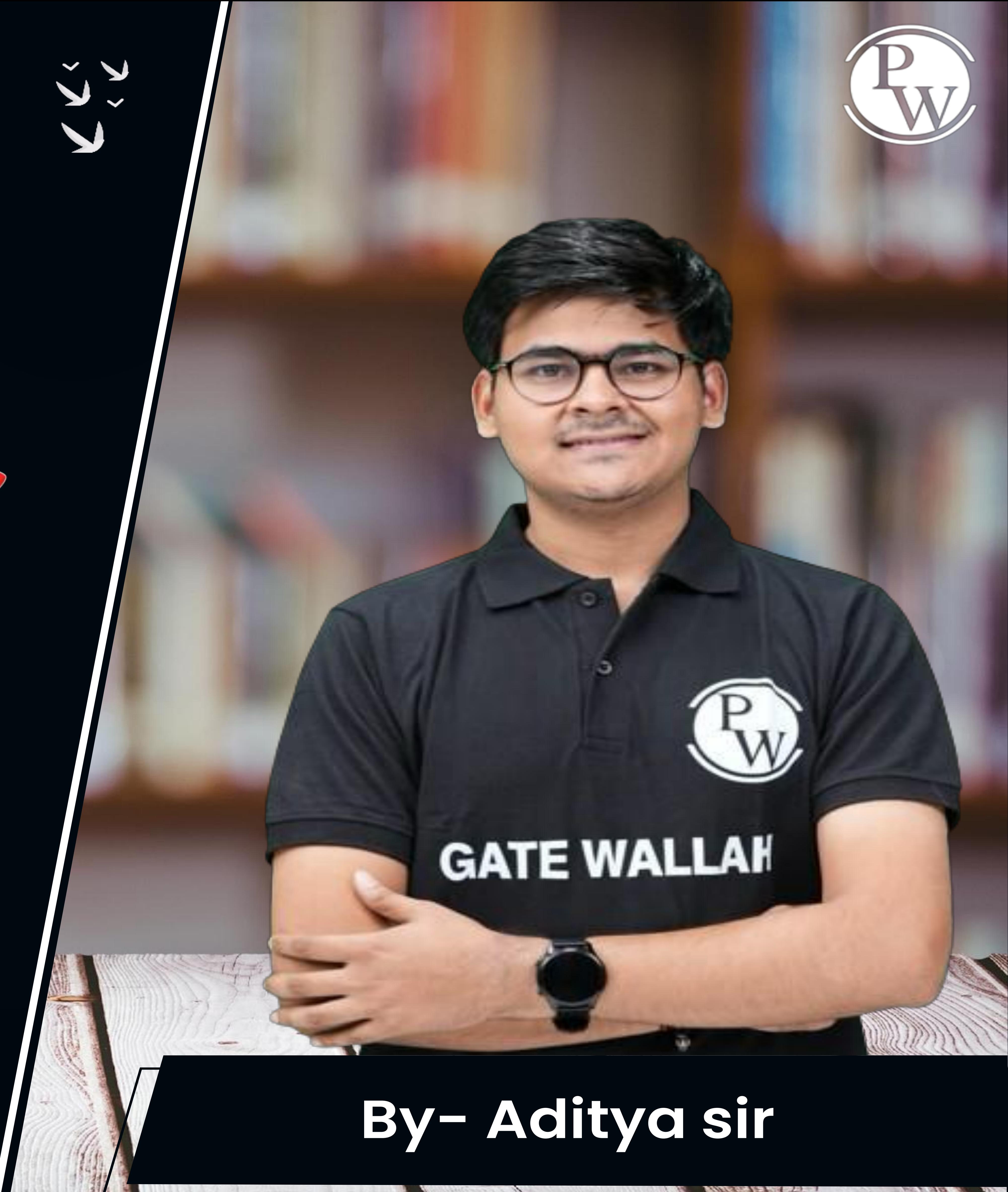
TCS NQT

Programming Problems with implementations



Divide & Conquer-02

Lecture 14





About Aditya Jain sir



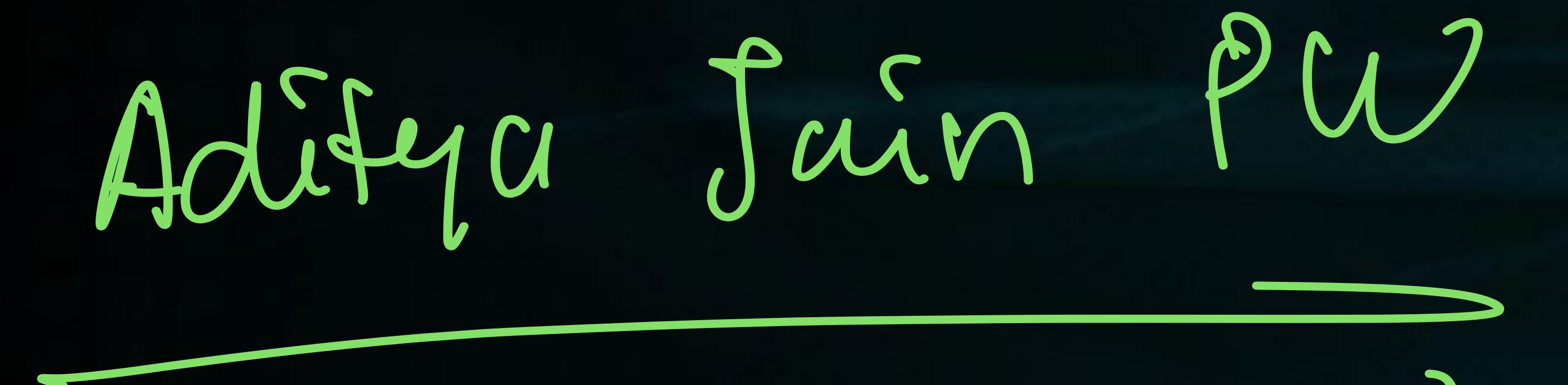
- 1. Appeared for GATE during BTech and secured AIR 60 in GATE in very first attempt City topper
- 2. Represented college as the first Google DSC Ambassador.
- 3. The only student from the batch to secure an internship at Amazon. (9+ CGPA)
- 4. Had offer from IIT Bombay and IISc Bangalore to join the Masters program
- 5. Joined IIT Bombay for my 2 year Masters program, specialization in Data Science
- 6. Published multiple research papers in well known conferences along with the team
- 7. Received the prestigious excellence in Research award from IIT Bombay for my Masters thesis
- 8. Completed my Masters with an overall GPA of 9.36/10
- 9. Joined Dream11 as a Data Scientist

E / F

- 10. Have mentored working professions in field of Data Science and Analytics
- 11. Have been mentoring GATE aspirants to secure a great rank in limited time
- 12. Have got around 27.5K followers on Linkedin where I share my insights and guide students and professionals.









Telegram Link for Aditya Jain sir: https://t.me/AdityaSir PW

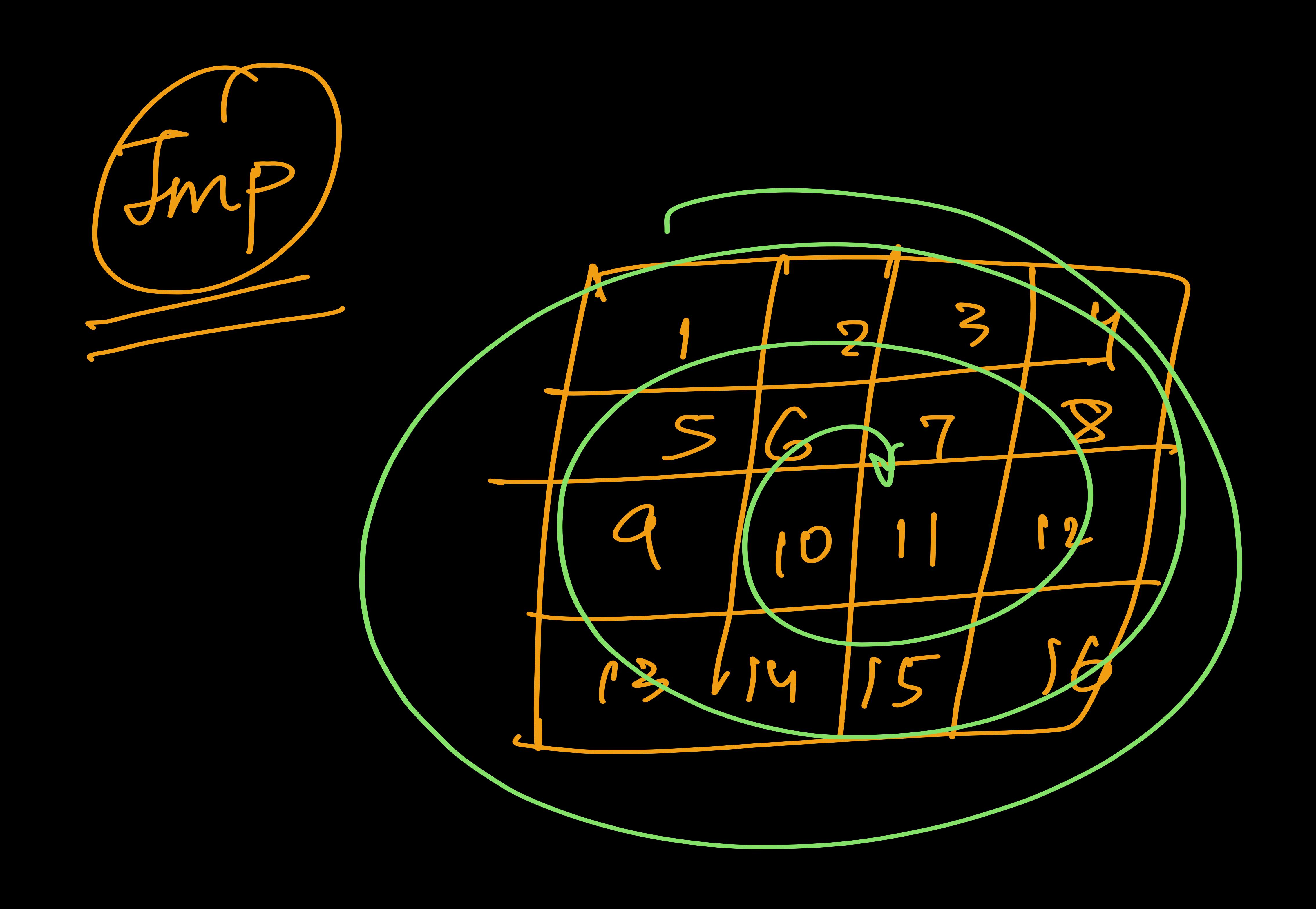
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Appi; When hord,

For i=0 — n-1 $\{i \neq \{a(i) = = \infty\}\}$ $\{a(i) = = \infty\}$ $\{a(i) = \infty\}$ $\{a(i) = \infty\}$

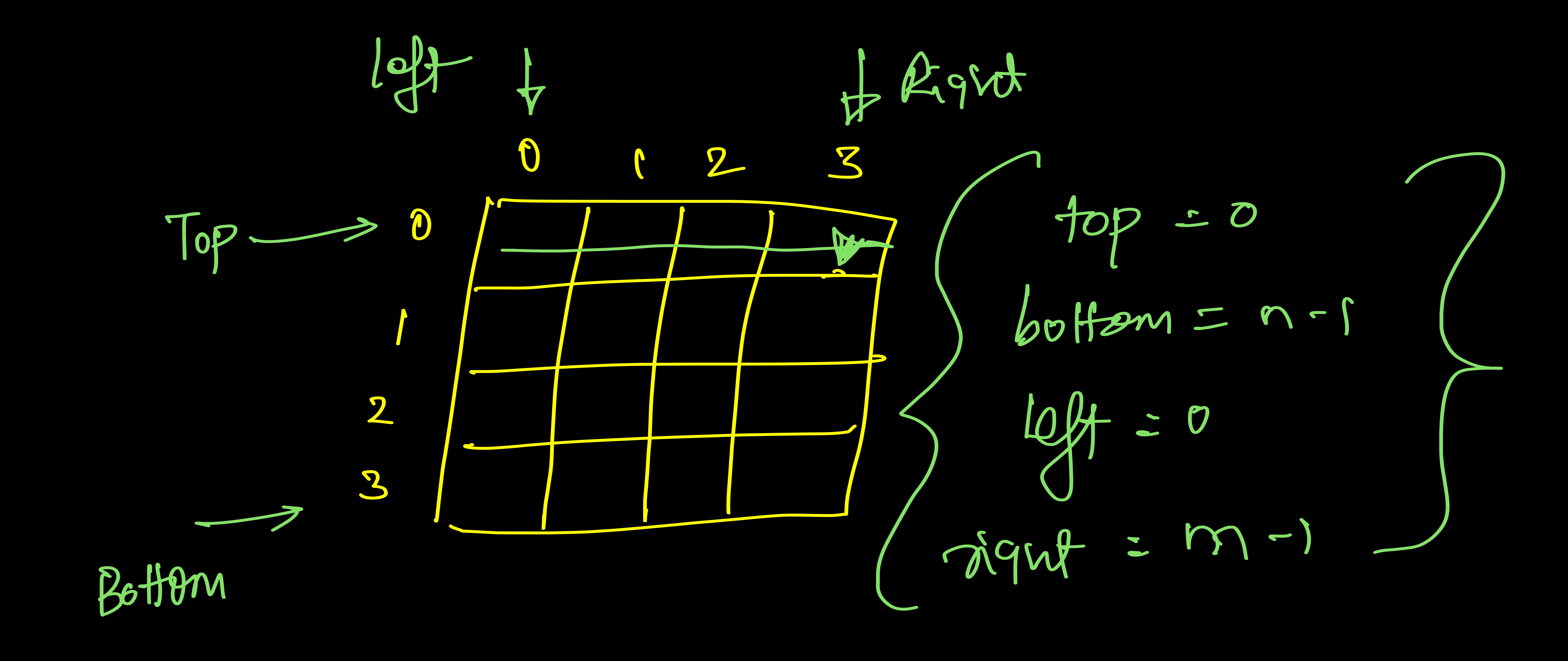
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Last index of owner of Jieu 100'



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Right 30 1000



uelule (top <= boHom and loft C= signt) Rall A DICHT v.pb (a Ctop) (i) (App 4 f) ford / i= top - > bottom)

v.pb(a(i)(sigut) 3 mout -of top c=bottom) For (i - signit ->) oft) J. v. pb (albotton) (i) 546900

1F (left C= sight) For (i= bolton -> fop) * v.pl(a(i)(10ft))

a, low, want) Kow -> ma Mideh - walh mid: (boot thigh) nwge (q, l, mid, h) d—sm maff —sh

autilier (iz=n & jz=m)

if (aci) / b(j) V PM (a(i)

IN. Ph. (b(j)) while (iz=n)

who (a(i))

it t marile () C = M)

while () C = M)

fibonacei Series Code

Find

Nth Jerm

2) Non-Recursive

eg: N=6

Fibonacei

F(i) = F(i-i) + F(i-2)

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

Rowsing Ind Fiboln if (n 2 2) Jeleun return fibo(n-1) + f[bo(n-2);

Von - Reunne

acos a [[3 = 1 $i=2 \longrightarrow n$ a(i)=a(i-1)+a(i-2)



THANK - YOU