Dynamic Programming: >> >> >> DP Algo Flow -> Recuisive Approach: -> Top Down fib (n) = fib (n-1) + fib (n-2) Top Down Complex Recursive Calls $\rightarrow 0(2^n) + 0(n)$ Memoization Approach $\Rightarrow 0(n) + 0(n)$ * dp[] array (au (-1) values) \rightarrow Initialization * known values are not alculated again. * if (dp[n]] = -1 return dp[n]; Tabulation Approach ; -> 0(n) +0 (n)

Known Values are Stoold: dP[0] = 0; dp[1] = 1;Now look from $2 \rightarrow n$ dep [i] [i* Fibonacci : Space Optimization 0> Question: -> Can we eliminate the array? O(n) -) O(1) (Just Vall) n = 35 int p2 = 0; (n = 6)for(inti=2) i(=n) i+1 i=2 $\frac{1}{2} = \frac{1}{2} = \frac{1}$ return p1; $\frac{2}{1}$ $\frac{1}{2}$ $\frac{1$ H2)+ 1 + 1 + 1 f(1) 1+22+1 ways (4) -) 1+1+2 f(h) = f(3) + f(2)1 + 2 + 1 = 3+2 450 DSA -> Topic Wise Logic -> Propinata -> Top 100 JDBC Spring_ · 52L Java (API) JDBC (diff) SQL Querses Back End Java Application (ojava) Applichion Java Gode Database Programming interface * MyS&L (diff long) * No SQL (jar) (PL) * Post gre SQL (java application)
archive * Oracle * Mongo dB (Databuse) (Tables) (Records) R/C Samar (BOST) Third-party applications * 90 15 1b 0 -> * make my tosp * ease my tosp * Yatra. com -ight x sasta safar · com function Boeing F9736 APJ (connection) owner send Vacant Kegwest] Components of JDBC: Jana App Jan (mysgl) Doiver Manager Orale MySOL Connection Driver - + y pe of of B Statement, Prepared Statement 1V) rexecute Overy | execute la date Report Set -) Stress the results 50 Langerts on -) By Encepts on