Why? {word } Voie Data Etrusture: -> Map (String, Boolean) * Phone Contact List / Phone book * Wood Dictionary v (Ajay, false); ->vr LCP -> Longest Common Kefin: lowing flown $\begin{pmatrix} \text{childencount} = = 1 \\ > 1 & \text{stop} \end{pmatrix}$ lep = flow word and = True Introduction to greedy elegosithme: > Most frequently asked questions in Coding Interviews: 10 Minimum number of coins.

20 Minimum cost of connecting robes. 140 Stiding Diwow (Max/Min)

30 Minimum absoluted difference or (charlet Distribution Robber)

40 Huffman Encoding 5. Fractional Knupsack 6.0/1 knapsack 7. Activity Selection Problem 8. Job Scheduling Problem 9. Minimum number of Platforms 10. Cras Station Problem 11. Lemonade Change Problem 120 Minimum Arrows to bust balloons Minimum number of Coins to reach a value: Soit coins = $\{1,2,5,10,20,50,100,200,500,1000,2000\}$ V = 91 $\gamma = (ain \cdot get(i))$ 100 max for(i = coins aige() - 1; i > = 0; i -)array = (50, 20, 20, 1)4 loins 91-2000 while (V >= coim·set(i)) V -= (oins. get(i))91 - 50 = 41V=3/= 20,10,1 41 - 20 = 2121-20 =1 1 - 1 = 0Minimum number of Platforms: arrival = 3-900, 940, 950, 1100, 1500, 1800 }; defauture = \(\frac{910}{910}, \frac{1200}{1120}, \frac{1130}{1130}, \frac{1700}{2000}, \frac{2000}{2000} \frac{7}{5}; Activity Selection Peoblem: > Entity < vail, vail) > Comparator * * given a l'est of activities into their start & finish timed, calculate the maximum number of activities that com be performed by a single person at a given time if he/bhel can berform only one activity at particular time. Finial Activity Start Sort (Finish Time) Out but A3(1,4) ~ 0 ls A3(1,9) A6 (3) S) 1 A1 (5,7) A2 (4.9) AS (0,6); A1 (0,6); AS (5,9); A2 (8,9) 1503 4965 A2(8,9) A4

AS

A6