## i) Greedy Algorithm.

- Mainly unful for optimization problem, optimization problem meens maximizing on minimizing something.
- >> Eg: Shorfest path (weighted or non-weighted).

  longest path (").

  Knapsack problem. (faitional).
- 3 General Structure: gerOptimel (Item arol ], ruf n)

[ DInithable res 0;

1 while ( All all Thems are not considered)

2 . Select Anitem();

If (fectible(9))

ses - ses + i

@ Return ses.

3

nete: - Greedy algorithms doesn't always give you an optimal solution.

\* (as greedy sollett— The next best not overall best.)

hand problems. Ry: travery salesmen problem.