DFS Aim: the aim of Depth first search (DFS) is to explore all weekers of a graph systematically by going as along eachbranch before backbracking Algorithm code: \* Start at the some node def . dfs (graph, start): \* Keep a walk on visited not to avoid nevisiting Stack = [start] visited = Set () \* Loopuntil the stack is While Stack: Vertex = Stack . pop(). \* pop a node forom the Stack (Last in first out if vertise not in visited: Print (vertise, end = "") \* Explore adjacent visited. add (vertix) for neighbor in graph [vertex]: \* if neighbor not Visited push it if neighbor not in visited. onto the Stack. \* Repeat until the graph = { 'A' : ['B', 'C'], Stack is empty B': ['D'; 'E'], & Shop 'C' : [F'] olltrut: dfs (graph; 'A') ACFBED