To curite a program to advise a graph traversal agarithm Using DFS Algerithm: Stepl: Start Step 2: Anitialize a Stock Cor use received) to keep track of nooles to visit. Step 3: Start from the chosen nock (2000+) and mark it as Visited Step 4: Push the Starting rode anto the Stork Step 5: While the Stack is not empty pap the node from the stack mark as visited push the raighbour on to the Steak Step 6: Repeat cultil an nodes have been visited or stack is emply Slep 7: End.

Program: graph = { ' B' : [' B' , 'C'], 'B' : ['O', 'E']. '(' : ['F'], ' D' : LJ 'E' : LFJ 'F'.[J Visited - Set () det des (graph, noole) if node not in visited Print (node, end = " ") visited. add (node) for reighbour in graph Lnode]:

dts (graph, reighbour)

Stort-rode: Input (r Enter the Stort-rode: ")

dts (graph, Start-rode)

Output: Enter the Start roote: A ABDEFC Result: Thus the program for the DFS has executed Successfully.