			. 710111 -	Solar	ab
	Depth	First	Searce	al lebo	6
Aim:			(() mh.	m 2 M	
COURS POTO	implement Dr	s algorith	nn bo b	naverse	<u>.</u>
a 9	supplied = = (0,	branco)	Day Nama	6	
O		- Sels	2-1 MINITOR		
Algorith	m	(hand) mi	Definites (I.)		
	1. Start		el wanger		
	2. Initialize visited nod	a set to	keep track	of	
	visited nod	u			
	J. Stort at	Stouring 160		Hug	1,,,
	4. Mark node	, as visited			
	5. Proces cun	nont-node	the rue	Solution	
	6- Apply DF	s rearsively	if neight	ENTER	a l
	W.S.		_ D	_	
	7. Stop			- D	
			7	D -	
*			/		

Aim:

The paragram has been executed and the output has been verified.

def ds (graph, start, visited = None): if visited is None: visited = set() visited add (start) print (start, end = "11) for neighbour in graph[start]: if neighborn not in visited: dfs (graph, neighbor, visited) return visited if __name__ = "__main__" graph = { 'A' .:['B') B'. [4', D', E) 'F3': ['C', 'E'] dfs (graph, 'A')

Output:

DEFC

Result:

The program has been executed successfully and the output has been verified