How does BFS and DFS work?

BFS(Breadth-First Search)	DFS(Depth First Search)
Definition: is a vertex-based technique for finding the shortest path in the graph. It uses a Queue data structure that follows first in first out.	**Definition:** is an edge-based technique. It uses the Stack data structure
Work: It uses a Queue data structure that follows first in first out. In BFS, one vertex is selected at a time when it is visited and marked then its adjacent are visited and stored in the queue. It is slower than DFS.	**Work**: performs two stages, first visited vertices are pushed into the stack, and second if there are no vertices then visited vertices are popped.
Example: **Input:** **A** **/ ** **B C** **/ / ** **D E F** **Output:** **A, B, C, D, E, F**	**Example:** **Input:** **A** **/ ** **B D** **/ / ** **C E F** **Output:** **A, B, D, C, E, F**