How BFS is different from DFS?

* BFS stands for breath first search and DFS stands for Depth first search.
* BFS uses queue to find the shortest path whereas DFS uses stack to find the shortest path.
* BFS is better to search adjacent nodes whereas DFS is better far nodes.
* BFS is slower than DFS and vice versa.
* As BFS considered all neighboring nodes so is not suitable for decision tree. But DFS is more suitable for decision trees.
* BFS and DFS both have a complexity of O(V+E).

Why do we need Topological Sort?

* We need Topological sort to linear ordering of all the vertices of a direct acyclic graph. Topological Sorting is mainly used for scheduling jobs from the given dependencies among jobs.

If you need to print nodes of a tree level by level then which algorithm will you modify from DFS, BFS & Topological Sort and why?

* BFS, As BFS traverses level by level so we can say BFS is suitable here.

Why cant use topological sort in undirected graph?

* As we know topological sort works on directed acyclic graphs. Therefore undirected graphs forms a cycle with the adjacent node, hence no liner ordering is possible.