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**Introduction:**

This project is a Python implementation of the **Breadth-First Search (BFS)** algorithm. It shows two approaches: one using **recursion** (without queue) and another using a **queue** (iterative). BFS is a graph traversal method that explores points level by level, starting from a given point.

**Rules of BFS Traversal:**

1. Start from the given starting point.
2. Visit all directly connected points before moving to the next level.
3. Continue until all reachable points are visited.
4. Keep track of visited points to avoid repetition.

**Methods Implemented:**

* **BFS without Queue (Recursive):** Traverses each level by collecting next connected points and calling itself until all levels are covered.
* **BFS with Queue (Iterative):** Uses a queue to process points one by one and ensures each point is visited only once.

**Working Overview:**

* The program defines a graph in dictionary format.
* Traversal starts from the chosen starting point.
* Both methods print the order in which points are visited.
* The queue-based version ensures no duplicates appear.

**Output of the code:**

