Free Response Question

Pause and write BFS based pseudocode for printing all components of an unconnected undirected graph. It will have the following two functions:

Void BFS (List<Node> adjList)

Void **ExploreBFS** (Node start, seen, component)

ANSWER:

There should be some **Pseudocode** below. If you don't see it, then please refresh.

Please note, that even though it says below that the language is Java, it's actually **Pseudocode**. Java is selected only to provide better syntax highlighting.

Consider this BFS pseudocode structure to print all components.

```
while (bfs_q not empty)
cur = bfs_q.remove
for (next: cur.neighbors)
    if (next is not seen)
        bfs_q.add(next.label)
        seen.add(next.label)
        component.add(next.label)
```

Print component and return