**def list\_connected\_components(self)**

Function that terates over all nodes in the graph to apply BFS to each unvisited node.The created component for each vertex is added to a list. Returns a list containing Graph objects representing the connected components

**def breadth\_first(self,source, visited)**

Explores the component starting at source vertex. The algorithm dequeues vertices from que one by one and adds their unvisited neighbours to que until there are no more unvisited verices.

Parameter **source**: source vertex representing the starting point for perfoming a breadth first search

Parameter **visited**: dictinoary for keeeping track of visited vertices, keys: vertices, values: boolean values

Returns **graph**: object reresenting a connected component

