Your assignment for today is to complete your last three methods, and create one more.
Implement the following methods in the `Graph` class.

Program 1. Create a method `public List<Vertex> adjacents(Vertex v)` returns a list of the vertices which share an edge with v (excluding v).

Program 2. Create a method `public List<Vertex> associates(Vertex v)` returns a list of vertices which may be visited by a walk initiating at v (including v).

Program 3. Create a method `public boolean isConnected()` which returns `true` if the graph is connected, and `false` otherwise.

Program 4. Create a method `public int numberOfComponents()` which returns the number of components in the graph.

Please submit whatever code you have on Microsoft Teams in the appropriate assignment before 11:45 P.M. on Sunday, April 5, 2020.
After your have read this, please acknowledge that by filling out the following Google Forms checkin.

<div align="center">0403 AP Computer Science Checkin</div>