**WEEK 10: Assignment**

1. A graph with no loops and no parallel edges is called a simplegraph.
2. A graph G isdisconnected, if it does not contain at least two connected vertices.
3. A graph G is said to be regular if all its vertices have the same degree.
4. In the graph, a vertex should have edges with all other vertices, then it called a connected/complete graph.
5. If the degree of each vertex in the graph is two, then it is called a cycle Graph.

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| Words | | |
| connected | disconnected | simple |
| directed | cycle | regular |