CSC373 Worksheet 4 Solution
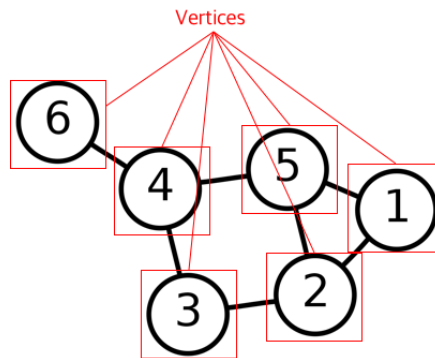
August 3, 2020

1. **<u>Notes:</u>**

   - **Vertex**
     - Is a fundamental unit of which graphs are formed
     - Also means node

     Vertices

   - **Adjacency-list Representation**
     - Associates each vertax in a graph with the collection of its neighbouring vertices or edges

	1	2	3	4	5
1	0	1	0	0	1
2	1	0	1	1	1
3	0	1	0	1	0
4	0	1	1	0	1
5	1	1	0	1	0

1 → 2 → 5 /
2 → 1 → 5 → 3 → 4 /
3 → 2 → 4 /
4 → 2 → 5 → 3 /
5 → 4 → 1 → 2 /

	1	2	3	4	5
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3	0	1	0	1	0
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4 → 2 → 5 → 3 /
5 → 4 → 1 → 2 /