**WEEK 8: Assignment**

HINTS:

1. In a directed graph, **pendent** vertex has a degree 1.
2. In a graph, two vertices are said to be **adjacent,** if there is an edge between the two vertices.
3. In a graph, two edges are said to be **adjacent**, if there is a common vertex between the two edges.
4. In a graph, if a pair of vertices is connected by more than one edge, then those edges are called **parallel** edges.
5. If there are multiple paths connecting two vertices, then the **shortest path** is considered as the distance between the two vertices.

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| Words | | |
| isolated | pendent | incident |
| adjacent | Shortest path | parallel |