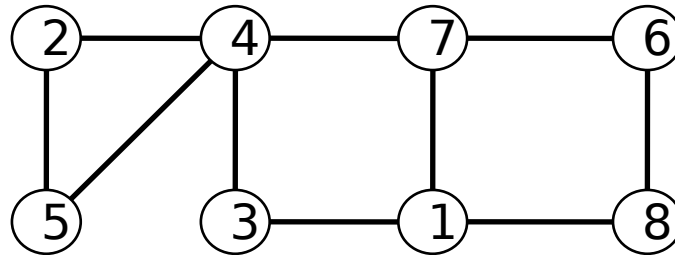


Applied Programming

Quiz # 5

Registration #: _____

Q. Perform a Depth First Search on the following directed graph, starting at vertex 1.
1. Clearly label the discovery, back and cross edges:



Discovery edges: 1->7, 7->6, 6->8, 7->4, 4->3, 4->5, 5->2

Cross edges:

Back edges: 8->1, 3->1, 2->4