

| DSAGraph (adjacency list version)  |
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| -matrix[]: chatacters<br>-labels[]: string<br>-vertices (DSALinkedList)<br>-edges (DSALinkedList)  |
| <br>__init__(self):<br>+getVetrixCount(): integer<br>+hasVertex(label: character)<br>+getEdgeCount(): integer<br>+isAdjacent(labeOne: char, labelTwo: char): boolean<br>+getAdjacent(label: char): vertexList<br>+getVertix(inLabel: String): vertex: DSAGraph node<br>+displayAsList()<br>+dislayAsMatrix()<br><br>+addVertex(label): None<br>+addEdge(labelOne: char. labelTwo: char): None<br>+setVisited()<br>+clearVisitedI()<br>+hasVisited(): visited: Boolean<br><br>+toString(): graphStr: String |



| DSAGraphVertex   |
|--|
| -label: String<br>-value: String<br>-links<br>-visited   |
| <br>+getLabel(): label<br>+getLabel(): label<br>+getValue(): value<br>+getAdjacent(): vertexList<br>+getAdjacentEdge(): edgeList<br>+getVisited()<br><br>+addEdge(vertex: object)<br>+setVisited()<br>+clearVisited()<br>+toString(): String |