# Graphs

## Non Weighted Structure of graph

* The graph will have an array of nodes and the number of vertices.
* The graph constructor accepts the array of integers of which graph is made. So when you construct a graph, you have nodes but none of them are connected.

## Non Weighted Structure of node

* It has value and an ArrayList of other nodes connected to it.

## Weighted Structure of node

* It has value and an ArrayList of other edges attached to the node.

## Weighted Structure of edge

* It has a start node, and end node and the weight.
* The constructor accepts the integer source, integer to and integer weight.