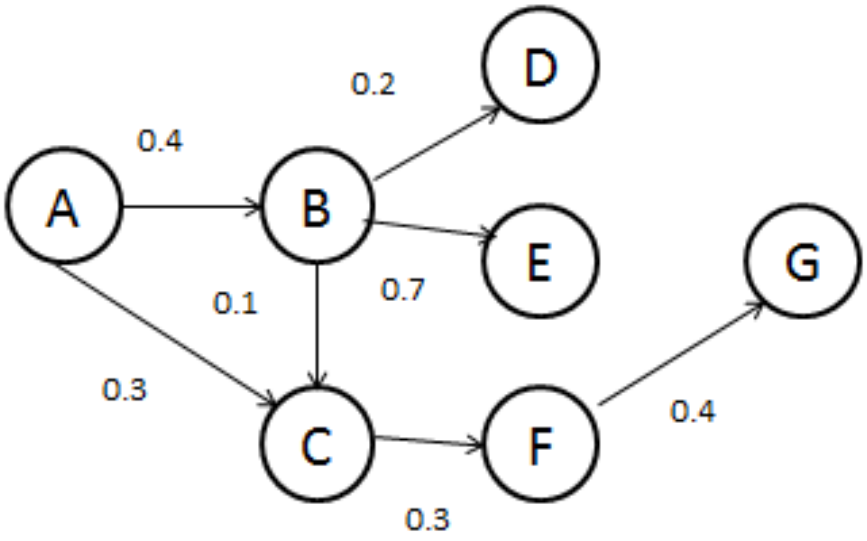
WIA1002 Data Structure
Tutorial 10: Graph

1. Create an ADT Graph named **ArrayGraph**. The ADT consists of the following method and the maximum size of the ADT is 20.
    a. Constructor
    b. isEmpty
    c. isFull
    d. getVerticeSize
    e. clear
    f. addVertice
    g. hasVertice //return -1 if no vertex found, otherwise, return the index.
    h. addEge
    i. deleteEdge
    j. isEdge
    k. getWeight
    l. markVertice
    m. isMarked
    n. getAdjacent

    Create the graph based on the figure below. Then, remove the edge from vertex B to C and get the weight from Vertex C to F and get the adjacent list of B.



Example output:

```
Creating a graph with 7 vertices and 7 edges
A -->
 -> B : 0.4 -> C : 0.3
B -->
 -> C : 0.1 -> D : 0.2 -> E : 0.7
C -->
 -> F : 0.3
D -->

E -->

F -->
 -> G : 0.4
G -->

Remove edge from B to C
A -->
 -> B : 0.4 -> C : 0.3
B -->
 -> D : 0.2 -> E : 0.7
C -->
 -> F : 0.3
D -->

E -->

F -->
 -> G : 0.4
G -->

The weightage from C to F: 0.3
The adjacent of B : D  E
```