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Assignment 10

```java
 6          //create a graph object and add edges to it
 7          Graph g = new Graph(v:5);
 8          g.addEdge(v:0, w:1);
 9          g.addEdge(v:0, w:2);
10          g.addEdge(v:0, w:3);
11          g.addEdge(v:1, w:2);
12          g.addEdge(v:2, w:3);
13
14          //print the DFS Traversal sequence
15          System.out.println("A. Depth First Traversal for given graph"+
16          "(with 0 as starting vertex)");
17          g.DFS(v:0);
18          System.out.println();
19
20          System.out.println(x:"B. Alter your output to 1,2,3,4 by changing the starting vertex to 1");
21          g.addEdge(v:1, w:4);
22          g.DFS(v:1);
23          System.out.println();
24
25 +
26          Graph newGraph = new Graph(v:4);
27          newGraph.addEdge(v:1, w:1);
28          newGraph.addEdge(v:1, w:2);
29          newGraph.addEdge(v:1, w:3);
30          System.out.println(x:"Alter your output to 1,2,3 by reducing the number of vertices");
31          newGraph.DFS(v:1);
32          System.out.println();
33    }
```

PROBLEMS 20   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   COMMENTS

```
wifi-64-187-246-134:CSCI260 navraj$  cd /Users/navraj/Desktop/NYIT/CSCI260 ; /usr/bin/env /Library/Java/JavaVirtua
:+ShowCodeDetailsInExceptionMessages -cp /Users/navraj/Library/Application\ Support/Code/User/workspaceStorage/f8c
s/CSCI260_7aa9f3d1/bin Assignment10.Main
A. Depth First Traversal for given graph(with 0 as starting vertex)
0 1 2 3
B. Alter your output to 1,2,3,4 by changing the starting vertex to 1
1 2 3 4
Alter your output to 1,2,3 by reducing the number of vertices
1 2 3
wifi-64-187-246-134:CSCI260 navraj$ []
```