

Lab 1 Sample Runs

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E:\CSCI 115 Spring 2015\CSCI 115 Lab 1.exe
1 - initialize graph
2 - insert an edge to the graph
3 - delete an edge from the graph
4 - list all edges in the graph
5 - list all of the neighbors for a particular vertex
6 - list all of the vertices with no incoming edges

Choose a function <1 - 6>: 1

Enter the number of vertices in the graph: 3
Enter the number of edges in the graph: 9

To enter an edge X -> Y (an edge from node X to node Y), use the following format: X Y (the names of the two vertices separated by a single space)
Enter edge 1: 0 0
Enter edge 2: 0 1
Enter edge 3: 0 2
Enter edge 4: 1 0
Enter edge 5: 1 1
Enter edge 6: 1 2
Enter edge 7: 2 0
Enter edge 8: 2 1
Enter edge 9: 2 2

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Choose a function <1 - 6>: 4
```

```
E:\CSCI 115 Spring 2015\adj_matrix.exe

1 - initialize graph
2 - insert an edge to the graph
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Choose a function <1 - 6>: 4

The edges in the graph are:
0 -> 0
0 -> 1
0 -> 2
1 -> 0
1 -> 1
1 -> 2
2 -> 0
2 -> 1
2 -> 2
```

```
E:\CSCI 115 Spring 2015\adj_matrix.exe

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Choose a function <1 - 6>: 3

To enter an edge X -> Y (an edge from node X to node Y), use the following format: X Y (the names of the two vertices separated by a single space)
Enter the edge to delete from the graph: 2 0

Edge 2 -> 0 has been deleted from the graph

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Choose a function <1 - 6>:
```