

COMSC-165

Programming Assignment 10

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Run 1

```
rjacob@ryan-pc: ~/devel/cpp/comsc165/Module 10
> ./ryan_jacoby_165_assign10
Enter the number of initial nodes (must be at least 1): 4

Enter a number: 543
Enter a number: 722
Enter a number: 936
Enter a number: 435

Here are the initial values in the linked list:
543
722
936
435

Enter a number for a new node to insert to the linked list: 999

Here is the updated linked list:
543
722
999
936
435

Enter the number of the node that you want to delete from the linked list: 936

Here is the updated linked list:
543
722
999
435

Enter the number that you want to search for in the list: 722
Number found at index 1 in the linked list
~/.devel/cpp/comsc165/Module 10 on master :1 ?1 took 43s at 08:07:04 PM
```

Run 2

```

ryan_jacoby@ryan-pc: ~/devel/cpp/comsc165/Module 10
> ./ryan_jacoby_165_assign10
Enter the number of initial nodes (must be at least 1): 3

Enter a number: 3
Enter a number: 42
Enter a number: 5

Here are the initial values in the linked list:
3
42
5

Enter a number for a new node to insert to the linked list:
9

Here is the updated linked list:
3
42
9
5

Enter the number of the node that you want to delete from the linked list: 5

Here is the updated linked list:
3
42
9

Enter the number that you want to search for in the list: 43
Number not found!

ryan_jacoby@ryan-pc: ~/devel/cpp/comsc165/Module 10 > on master 11 71 ✓ took 4m 7s at 08:12:30 PM

```

Run 3

```
rjacob@ryan-pc: ~/devel/cpp/comsc165/Module 10
> ./ryan_jacoby_165_assign10
Enter the number of initial nodes (must be at least 1): 7

Enter a number: 3
Enter a number: 1
Enter a number: 4
Enter a number: 1
Enter a number: 5
Enter a number: 9
Enter a number: 2

Here are the initial values in the linked list:
3
1
4
1
5
9
2

Enter a number for a new node to insert to the linked list: 7

Here is the updated linked list:
3
1
4
1
7
5
9
2

Enter the number of the node that you want to delete from the linked list: 2

Here is the updated linked list:
3
1
4
1
7
5
9

Enter the number that you want to search for in the list: 1
Number found at index 1 in the linked list
m ~/devel/cpp/comsc165/Module 10 > on P master #1 ?1 ..... took 1m 18s at 08:15:02 PM
```

Run 4

```

rjacob@ryan-pc: ~/devel/cpp/comsc165/Module 10
> ./ryan_jacoby_165_assign10
Enter the number of initial nodes (must be at least 1): 4

Enter a number: 16
Enter a number: 11
Enter a number: 27
Enter a number: 42

Here are the initial values in the linked list:
16
11
27
42

Enter a number for a new node to insert to the linked list: 9

Here is the updated linked list:
16
11
9
27
42

Enter the number of the node that you want to delete from the linked list: 9

Here is the updated linked list:
16
11
27
42

Enter the number that you want to search for in the list: 27
Number found at index 2 in the linked list

```

```

❏ ➤ ~/devel/cpp/comsc165/Module 10 ➤ on 🐙 P master 11 ?1 ..... ✓< took 32s ⌂< at 08:17:58 PM 🕒

```

Run 5

```

rjacob@ryan-pc: ~/devel/cpp/comsc165/Module 10
> ./ryan_jacoby_165_assign10
Enter the number of initial nodes (must be at least 1): 10

Enter a number: 1
Enter a number: 1
Enter a number: 1
Enter a number: 1
Enter a number: 1
Enter a number: 1
Enter a number: 1
Enter a number: 1
Enter a number: 1
Enter a number: 1

Here are the initial values in the linked list:
1
1
1
1
1
1
1
1
1
1

Enter a number for a new node to insert to the linked list: 5

Here is the updated linked list:
1
1
1
1
1
5
1
1
1
1

Enter the number of the node that you want to delete from the linked list: 1

Here is the updated linked list:
1
1
1
1
5
1
1
1
1

Enter the number that you want to search for in the list: 3
Number not found!

~/devel/cpp/comsc165/Module 10 > on P master #1 ?1 ✓ took 16s at 08:20:11 PM

```