

Course: Programming Fundamental - ENSF 337

Lab #: 8

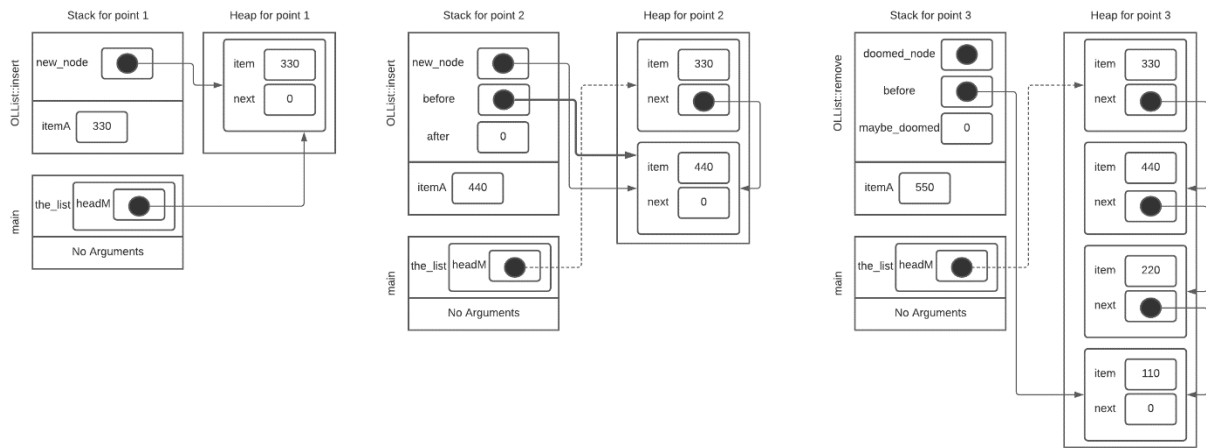
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Lab Section: B04

Date submitted: November 25th

Exercise A



Exercise B

```
C:\cygwin64\home\Sixtium\ENSF337\lab8-AleksanderBerezowski\cmake-build-debug\lab8_AleksanderBerezowski.exe
List just after creation. expected to be [ ]
[ ]
the_list after some insertions. Expected to be: [ 99, 110, 120, 220, 330, 440, 550 ]
[ 99, 110, 120, 220, 330, 440, 550 ]
testing for copying lists ...
other_list as a copy of the_list: expected to be [ 99, 110, 120, 220, 330, 440, 550 ]
[ 99, 110, 120, 220, 330, 440, 550 ]
third_list as a copy of the_list: expected to be: [ 99, 110, 120, 220, 330, 440, 550 ]
[ 99, 110, 120, 220, 330, 440, 550 ]
testing for removing and chaining assignment operator...
the_list after some removals: expected to be: [ 99, 110, 120, 220, 440 ]
[ 99, 110, 120, 220, 440 ]
printing other_list one more time: expected to be: [ 99, 110, 120, 220, 330, 440, 550 ]
[ 99, 110, 120, 220, 330, 440, 550 ]
printing third_list one more time: expected to be: [ 99, 110, 120, 220, 330, 440, 550 ]
[ 99, 110, 120, 220, 330, 440, 550 ]
chaining assignment operator ...
the_list after chaining assignment operator: expected to be: [ 99, 110, 120, 220, 440 ]
[ 99, 110, 120, 220, 440 ]
other_list after chaining: expected to be: [ 99, 110, 120, 220, 440 ]
[ 99, 110, 120, 220, 440 ]
third_list after chaining: expected to be: [ 99, 110, 120, 220, 440 ]
[ 99, 110, 120, 220, 440 ]

Process finished with exit code 0
```

Exercise C

```
C:\cygwin64\home\Sixtium\ENSF337\lab8-AleksanderBerezowski\cmake-build-debug\lab8_AleksanderBerezowski.exe
```

```
Program: Flow Studies-Fall 2020
```

```
Version: 1.0
```

```
Lab section: B04
```

```
Produced By: Aleksander Berezowski
```

```
<<< Press Enter Twice to Continue >>>
```

```
Please select on the following operations
```

1. Display flow list, and the average.
2. Add data.
3. Save data into the file.
4. Remove data..
5. Quit.

```
Enter your choice (1, 2, 3, 4, or 5):
```

```
1
```

Year	Flow
1970	100.34
1901	210.11
1947	310.99
1990	214.98
2002	211.44
1972	219.99
1900	220.11
1922	192.99
1945	145.66
1946	300.99
1971	209.99
1989	234.98
1999	110.99
2000	110.22
2001	231.44

```
The annual average of the flow is: 201.681 billions cubic metres
```

The annual average of the flow is: 201.681 billions cubic metres

<<< Press Enter Twice to Continue >>>

Please select on the following operations

1. Display flow list, and the average.
2. Add data.
3. Save data into the file.
4. Remove data..
5. Quit.

Enter your choice (1, 2, 3, 4, or 5):

2

Year: 2021

Flow: 100

<<< Press Enter Twice to Continue >>>

Data Added

<<< Press Enter Twice to Continue >>>

Please select on the following operations

1. Display flow list, and the average.
2. Add data.
3. Save data into the file.
4. Remove data..
5. Quit.

Enter your choice (1, 2, 3, 4, or 5):

3

Data Saved

```
Please select on the following operations
  1. Display flow list, and the average.
  2. Add data.
  3. Save data into the file.
  4. Remove data..
  5. Quit.
Enter your choice (1, 2, 3, 4, or 5):
```

```
3
```

```
Data Saved
```

```
<<< Press Enter Twice to Continue >>>
```

```
Please select on the following operations
  1. Display flow list, and the average.
  2. Add data.
  3. Save data into the file.
  4. Remove data..
  5. Quit.
Enter your choice (1, 2, 3, 4, or 5):
```

```
4
```

```
Year: 2021
```

```
<<< Press Enter Twice to Continue >>>
```

```
Please select on the following operations
  1. Display flow list, and the average.
  2. Add data.
  3. Save data into the file.
  4. Remove data..
  5. Quit.
Enter your choice (1, 2, 3, 4, or 5):
```

```
5
```

```
Exiting Program
```

```
Process finished with exit code 0
```