In this assignment you are to write a Python program that:

a. takes a value ***n*** as a user input,
b. creates a singly linked list of ***n*** nodes containing random values in a range from 0 to 100, and
c. sorts the list using selection sort algorithm.

Inputs	Outputs
-number of nodes in the linked list ***n***.	-data in list before sorting, head node data, tail node data; -data in list after sorting, head node data, tail node data.

Following are few runs of the program for your reference:

```
Please, enter the number of nodes: 5
Unsorted list: 94 72 21 3 34
Head data:  94
Tail data:  34

Sorted list: 3 21 34 72 94
Head data:  3
Tail data:  94
--------------------------------------------------------------------------------
Please, enter the number of nodes: 10
Unsorted list: 89 40 94 29 83 30 46 6 99 47
Head data:  89
Tail data:  47

Sorted list: 6 29 30 40 46 47 83 89 94 99
Head data:  6
Tail data:  99
--------------------------------------------------------------------------------
Please, enter the number of nodes: -5

Please, enter correct value for number of nodes: five

Please, enter correct value for number of nodes: 3
Unsorted list: 29 7 74
Head data:  29
Tail data:  74

Sorted list: 7 29 74
Head data:  7
Tail data:  74
```

Few important things to consider:

- You must implement your own **linked list abstract data structure**, including methods for **iterating through items**, **appending items**, etc.
- You must implement your own **selection sort algorithm** and apply it on the linked list. **Hint:** you only need to swap **data part** of the nodes.
- Follow proper **object-oriented approach**: use classes, objects, constructors, accessors, mutators, methods.
- Follow **good coding style**: include a proper header, give meaningful names to variables/classes/methods, comment your code thoroughly.
- Implement proper **input validation**. E.g., your code should not crash if user provides a negative value or a character.

***You must properly cite the sources if you use **any help** from peers or **any code/ideas** from online resources. **Failure to do so will be treated as a plagiarism.** Properly citing the sources should be done as a **comment** in your code. Some examples:

```
# found this code at: <source url>
# used idea from: <source url>
# <peer name> helped me with this part
```