

### The Requirements

Since the requirements were pretty much everything that was in our Java "Array List" assignment, there was not a whole lot new. Namely the functions shown.

```
class LinkedList:
    def append(self, data):...
   def clear(self):...
    2 usages
   def index(self, item):...
   def insert(self, index, data):...
   def pop(self, index=None):...
   def remove(self, item):...
    def __getitem__(self, index):...
   def __setitem__(self, index, data):...
   def __str__(self):...
    def __contains__(self, item):...
```

## The Other Requirements

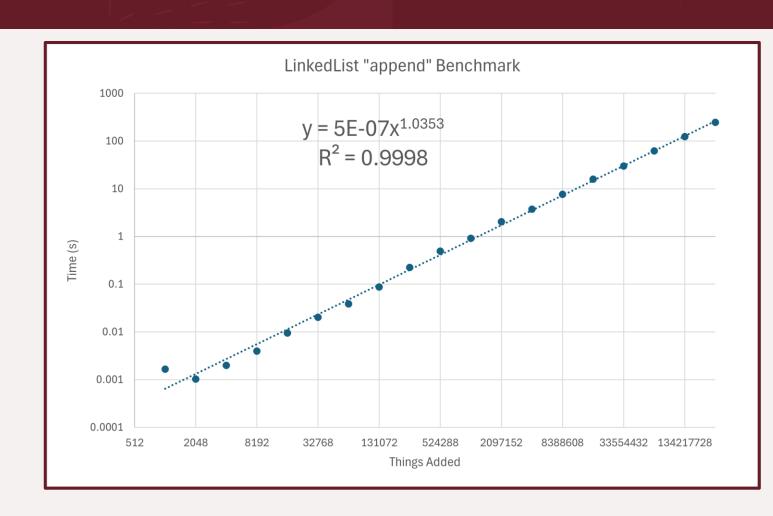
• Also part of the "Array List" assignment was writing testing functions for each implemented feature.

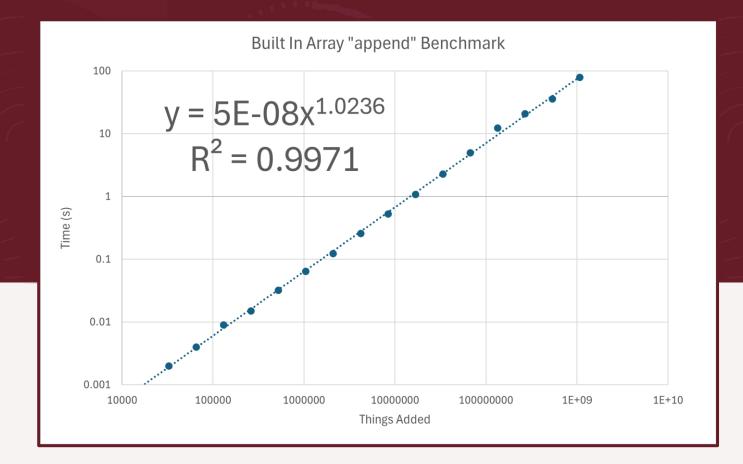
```
> def test_append():...
> def test_clear():...
> def test_index():...
> def test_insert():...
> def test_pop():...
> def test_remove():...
> def test_getitem():...
> def test_setitem():...
> def test_len():...
> def test_contains():
```

```
> def test_append_2():...
> def test_clear_2():...
> def test_index_2():...
> def test_insert_2():...
> def test_pop_2():...
> def test_remove_2():...
> def test_getitem_2():...
> def test_setitem_2():...
> def test_len_2():...
> def test_contains_2():...
```

### Graph Time, bby.

- Look at this cool graph! It's the results from the custom "append" function.
- Look how nice and straight the line is...



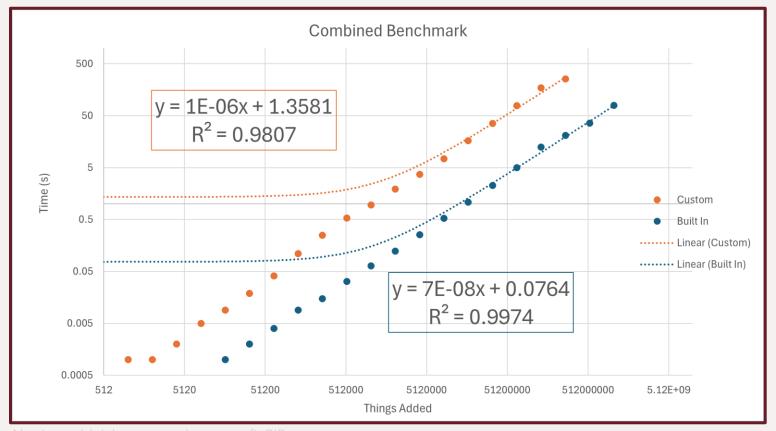


#### Another one.

This is the graph from Python's stupid built in function.

# Here they are together

- I don't know why mine is slightly slower.
- When Seward did it, it was faster, but on my laptop it's slower for some reason.
- Fun.



Also it wouldn't let me use the power fit RIP.

### In conclusion, I forgot what else this presentation needed.

- I probably could just look at my old one, but I don't really feel like it.
- I really just want to work on the sorting algorithm assignment because that sounds about 24.7x funner than whatever this was.
- I'm gonna go play with the MicroBit I got legally from the MakerSpace now.