

## CPW 245 Summer 2018 Homework Assignment 3

This assignment will reinforce your understanding of **ArrayIntList**.

The starter code, **ArrayIntList.java**, contains the last version of **ArrayIntList** we saw in class plus a few enhancements. The actual **ArrayList** in Java has several more methods available.

Enhance the starter code by adding methods:

- `public void addAll( int index, ArrayIntList list )`
- `public boolean containsAll( ArrayIntList list )`
- `public boolean equals( ArrayIntList list );`
- `public int lastIndexOf( int value )`

Use the provided test code, **ArrayIntListTester.java** to verify that your code is correct.

### Expected Output:

```
list = [5, 19, 0, 2, 4, 0, 13, 85, -8, 0, 23]
list2 = [42, 12, 7, -4]
after addAll, list = [5, 19, 0, 2, 4, 0, 13, 85, -8, 0, 23, 42, 12, 7, -4]
containsAll: true
containsAll: false
list2 equals list3: true
list lastIndexOf(0): 9
```

### Submit:

Submit your completed **ArrayIntList.java**.