

## Lab 7 (Java Collections part 2)

1. Given an array  $A = [5; 6; 3; 10; 4; 8]$ :

- What is the value of  $A[5] + A[1] * A[2]$ ?
- What is the value of  $(A[0] + A[1] + A[2] + A[3] + A[4] + A[5]) \text{ div } 5$ ?
- Write down the array  $A$  after executing the following instructions, and state what it does in one sentence.

$\text{tmp} \leftarrow A[5]$

$A[6] \leftarrow A[4]$

$A[5] \leftarrow A[3]$

$A[4] \leftarrow A[2]$

$A[3] \leftarrow A[1]$

$A[2] \leftarrow A[0]$

$A[1] \leftarrow \text{tmp}$

- What is the value of  $A[5] + A[1] * A[2]$  after executing the instructions in part (c)?
- Write down the array  $A$  after executing the following instructions, and state what it does in one sentence. (Assume the original array  $A = [5; 6; 3; 10; 4; 8]$ .)

$A[2] \leftarrow A[0]$

$A[3] \leftarrow A[1]$

$A[4] \leftarrow A[2]$

$A[5] \leftarrow A[3]$

$A[6] \leftarrow A[4]$