

## Lab 7 – Exercise 2

### Create and Fill an Array

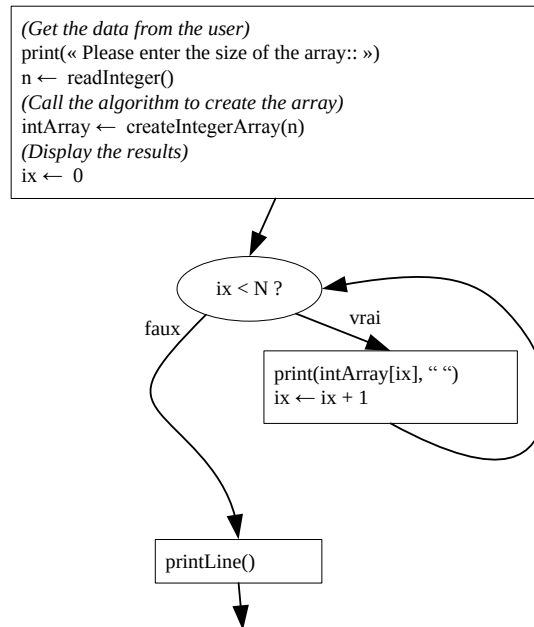
GIVENS: *(none)*

RESULT: *(none)*

INTERMEDIATES: *a (reference to an integer array)*  
*n (number of elements in the array)*  
*ix (index used to display the contents of the array)*

HEADER: `main()`

BODY:



GIVENS: *n (number of elements in the array)*

RESULT: *arr (reference to created array)*

INTERMEDIATES:

HEADER: `arr ← createIntegerArray(n)`

BODY:

`arr ← makeNewArray(n)`

`initArray(arr, n) (recursive algorithm)`

GIVENS:     arr     *(reference to integer array)*  
              n     *(number of elements in the array)*  
MODIFIED:   arr  
RESULT:     *(none)*  
HEADER:     initArray(arr, n)  
BODY:

