

Exercise 3

Requirement: input an array and output it

Main idea

Pseudo code of the LOOP:

```
initialize i = 0, array_ptr = first address of the array
Loop:
+ Display message

+ Do our task (input, store the value in the address, load the value, output
the value, ...)

Increment 'i' by 1
Move 'array_ptr' to the next address of the array

If 'i' is equal to 'n', end the loop
Otherwise, jump to Loop
```

Testing and screenshots

```
Enter the number of elements (n): 4
a[0] = 4
a[1] = 6
a[2] = 999
a[3] = 213
4
6
999
213

-- program is finished running --
```