


Faculty of Electrical, Electronic & Computer Technology	 <b>SAXONY EGYPT UNIVERSITY</b> FOR APPLIED SCIENCE AND TECHNOLOGY
Computer Programming	
ECT 121	
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## Sheet 5

### 1) Problems :

#### 1. Read 5 integers into an array, then print them.

<b>Input</b>
5 10 20 30 40 50
<b>Output</b>
10 20 30 40 50

#### 2. Read N integers and print them in reverse.

<b>Input</b>
4 1 2 3 4
<b>Output</b>
4 3 2 1

#### 3. Find the largest and smallest number.

<b>Input</b>
6 8 3 15 2 9 12
<b>Output</b>
Largest = 15 Smallest = 2

4. Find the sum and average of array elements.

Input
5 10 20 30 40 50
Output
Sum = 150 Average = 30

5. Print the array after doing the following operations:

- 1) Replace every positive number by 1.
- 2) Replace every negative number by 2.

Input
5 1 -2 0 3 4
Output
1 2 0 1 1

6. Find an element and print its index.

Input
5 1 8 5 7 5
Output
8

7. Print all array positions that store a number less than or equal to 10 and the number stored in that position.

Input
5 1 2 100 0 30
Output
A[0] = 1 A[1] = 2 A[3] = 0

**8. Count even and odd numbers.**

Input
6 1 2 3 4 5 6
Output
Even numbers = 3 Odd numbers = 3

**9. Copy elements from one array to another.**

Input
4 7 14 21 28
Output
Original array: 7 14 21 28 Copied array: 7 14 21 28

**10. Merge two arrays.**

Input
3 1 2 3 2 4 5
Output
Merged array: 1 2 3 4 5