

# Assignment 2

## Exercise 1 (1pt)

```
int x = 2;  
int y = 1;  
x *= y + 1;
```

What is the value of x at the end?

## Exercise 2 (3pt)

Write a program that reads an integer input, and prints the corresponding month. If the input is larger than 12 or smaller or equal than zero, it should display an error message.

**EXAMPLE:**

If the user writes 4, the program should print "April"

If the user writes 0, the program should print "Invalid month number"

## Exercise 3 (3pt)

Write a program that reads **n** numbers and prints their average.

The program should first prompt the user to input the number of numbers. Then it should read the numbers, compute their average, and print it.

**EXAMPLE:**

```
How many numbers:  
> 3  
Insert 3 numbers:  
> 2.1  
> 2.6  
> 1  
  
Their average is 1.9
```

## Exercise 4 (3pt)

Write a program that reads positive numbers and prints their maximum. The program should stop reading new numbers when a negative number is inserted. (Note: the negative number does not count in the maximum.)

### EXAMPLE:

```
Insert numbers (terminate with negative number):
```

```
> 2.1
```

```
> 2.6
```

```
> 1
```

```
> -1
```

```
Their maximum is 2.6
```

# Instructions

The solution of the exercises must be provided as a **java** (for the code, do not submit class files), **png** (for eventual screenshot), and **pdf** (for eventual text) files. The **files must be zipped** together before upload. Use the **terminal** to compile and execute the code.

**Assignments not respecting these instructions will be ignored.**