# TP.2 Script files and Types of data and variables

**Exercise .1**

1. Display the year, month, day, hour, minutes and seconds then display only the date using the commands (Clock, Date)

2. Display the following sentence: the value entered is incorrect

2. Use the input command to assign a value to the variable x (write the following sentence: type a number)

**Exercise 2.**

Execute the following instructions

intro ; help ; demo ; information

**Exercise 3.**

- Type the command a=1:7;
- Type : a, who, and whos commands.
- Use ↑ to modify a: a=1:2
- Type the command b=a+2
- Run the who and whos commands using ↑. Type clear and b.

**Exercise.4**

1. Open a script file, and write a program to find the function g(x) following the polynomial:

$$g(x) = \frac{2x^3 + 7x^2 + 3x + 1}{x^2 - 3x + 5.e^{-x}}$$

Name the script TP2 and save it, what do we do to execute it

2. create a new script and write a program to display the area given by the equation

z = sin(x) cos(y) for x ∈ [0, 1] and y ∈ [2, 5].

Name, save and run this program