

## Exercise :

# Becoming Familiar with the Computing Environment

## Objectives:

1. Getting familiar with the computer
2. Compiling and running a simple program
3. Editing source files with an editor of choice

## Getting started

- Login on your computer account
- Execute the setup script:  
`> source anaphe.sh [Enter]`
- Change directory to the working directory for this exercise:  
`> cd day0/hello [Enter]`
- Check the contents of the directory  
`hello> ls`

You will find following files:

- hello.cpp - the 'hello' program source file
- GNUmakefile - the makefile

## Compiling the example program

Compiling the example program does not require any changes to the files. Just run make:

```
hello> make
```

You should see some messages generated by make:

```
compiling hello
Linking ...
```

If the make finishes successfully, you should find the “hello” program in the current directory:

```
hello> ls
```

- |               |                                   |
|---------------|-----------------------------------|
| ▪ hello       | - the compiled program            |
| ▪ Linux       | - directory used by the compiler  |
| ▪ hello.cpp   | - the 'hello' program source file |
| ▪ GNUmakefile | - the makefile                    |

## Running the example program

To start the example program, type:

```
hello> ./hello [Enter]
```

```
Hello Greece!
```

## Editing the source file

The next step in the exercise is editing source files. Use your favourite text editor for this purpose. The available editors are:

- emacs
- vi

Try to edit the hello.cpp file and change the hello message to “Hello School!” or whatever you like. Save the file and repeat the program compilation and execution steps to check if the program is printing the new message.

## Finishing the exercise

To finish the exercise clean the current directory of all intermediate files with the command:

```
hello> make clean
```