Course C^{++} , Exercise 1

Deadline: 07.03.2017

1. Type which g++ to find out in which directory the C^{++} compiler is situated.

Change the current directory to this directory. Show that you are able to type ls -t, ls -l, ls -lh, ls -l | more, ls -lt | less and understand what they do.

2. In your home directory, create a directory hello, and show that you are able to find it. In this directory, create a file hello.cpp with the following contents:

```
#include <iostream>
int main( int argc, char* argv [ ] )
{
   std::cout << "hello world!\n";
   return 0;
}</pre>
```

3. Create a Makefile for compiling the previous program. Use the make command to compile it. (See http://www.drpaulcarter.com/cs/make.php)

There is an example on the course homepage. In order to test the Makefile, type

4. Make a copy of the previous program, which must be called hello2.cpp. Modify it into

```
#include <iostream>
#include <string>
```

```
int main( int argc, char* argv [ ] )
{
   std::cout << "what is your name? \n";
   std::string name;
   std::cin >> name;
   std::cout << "hello, " << name << "!\n";
   return 0;
}</pre>
```

Compile it, using **make**.