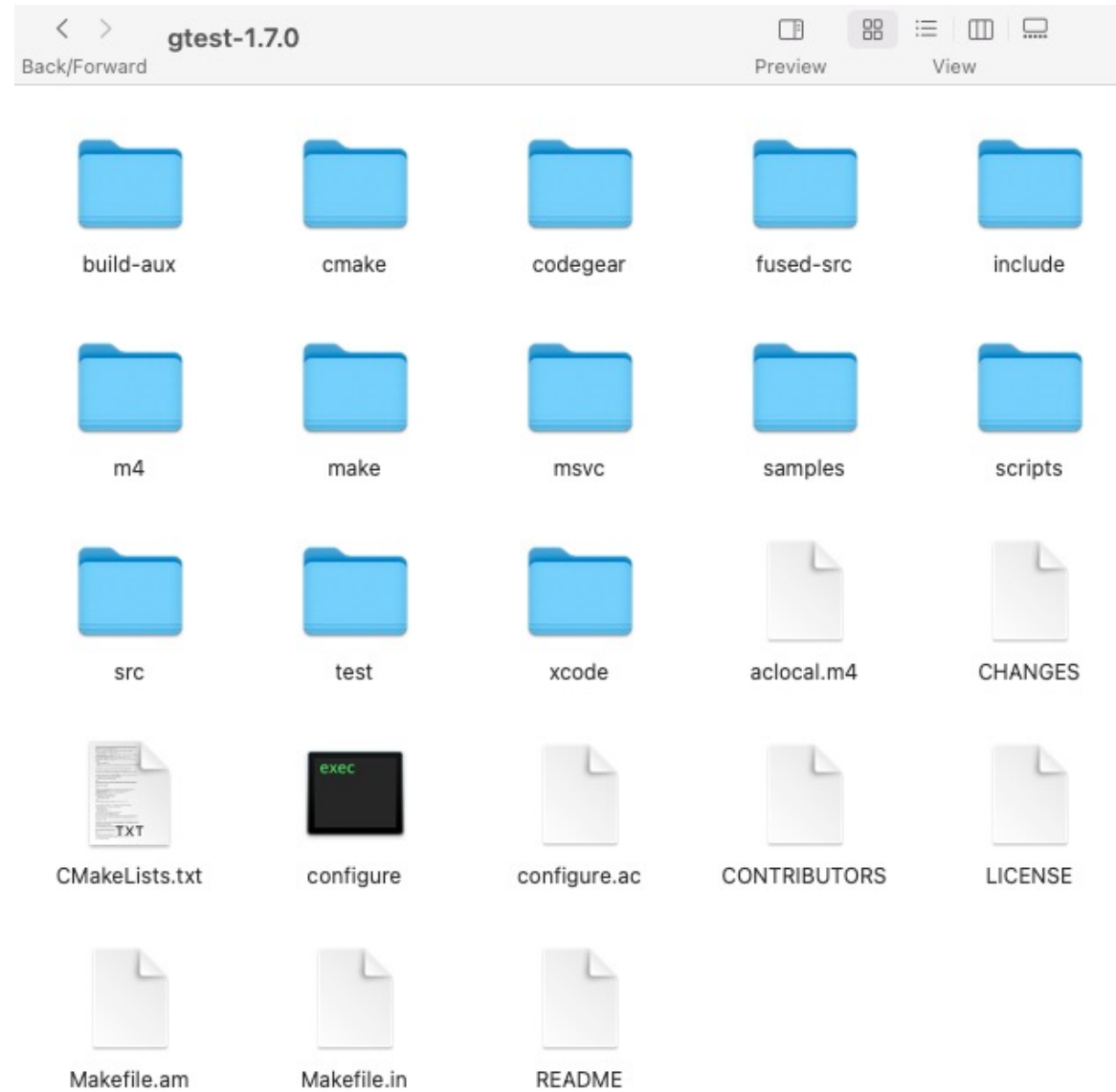




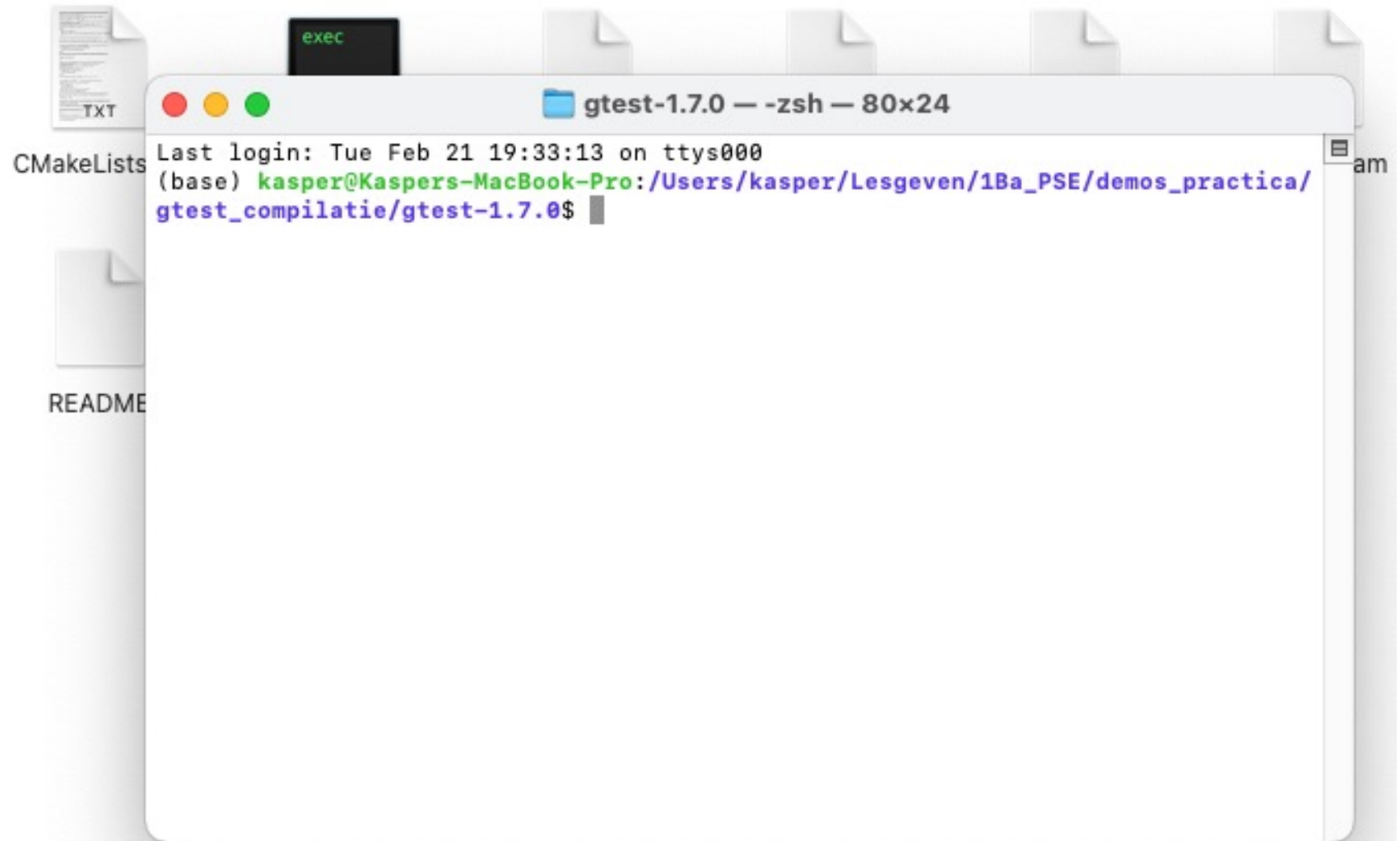
Universiteit Antwerpen  
| Faculteit Wetenschappen

# gtest compilatie (Unix)

# gtest-1.7.0.zip uitpakken

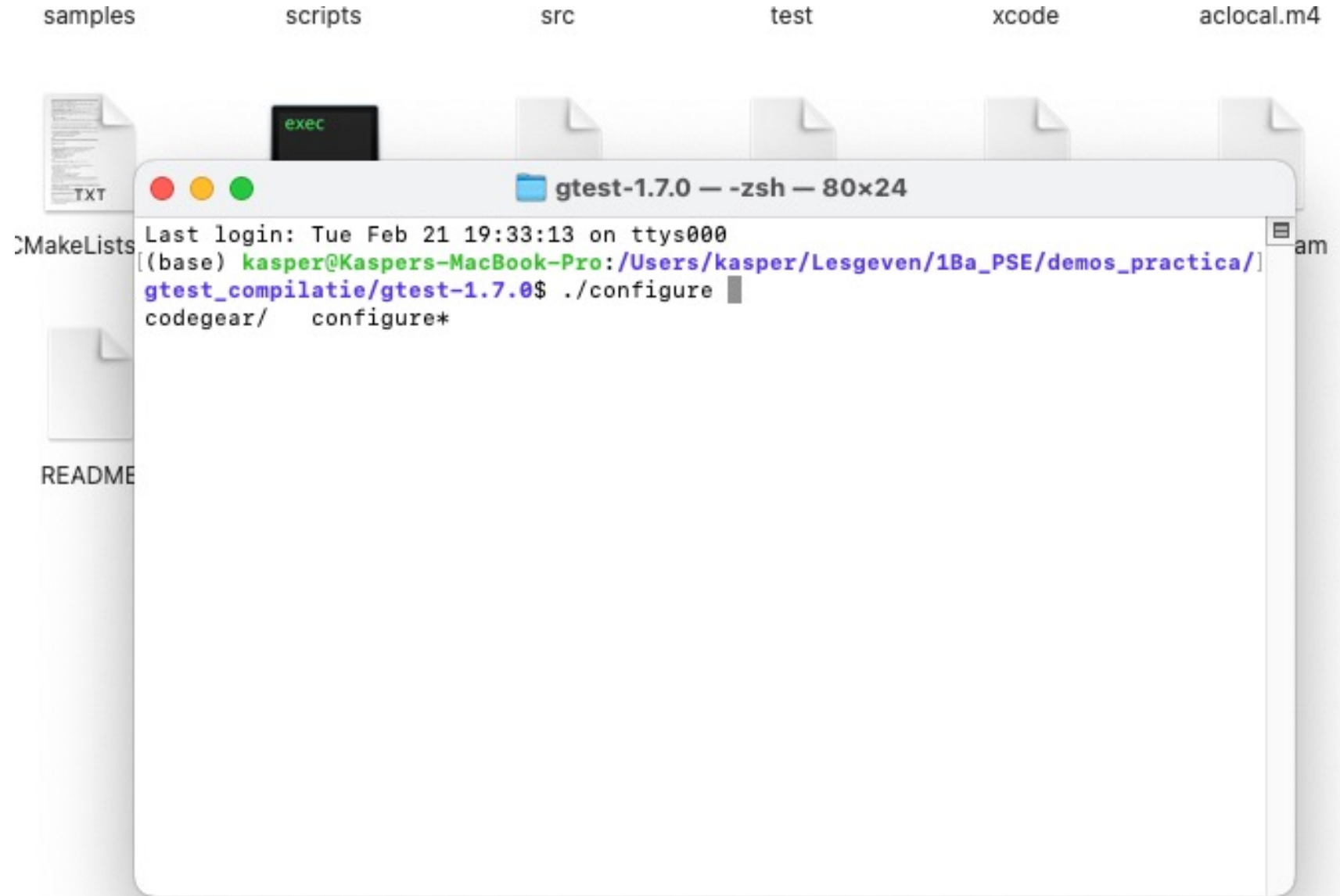


# Terminal openen



```
exec  
Last login: Tue Feb 21 19:33:13 on ttys000  
(base) kasper@Kaspers-MacBook-Pro:/Users/kasper/Lesgeven/1Ba_PSE/demos_practica/  
gtest_compilatie/gtest-1.7.0$
```

# ./configure

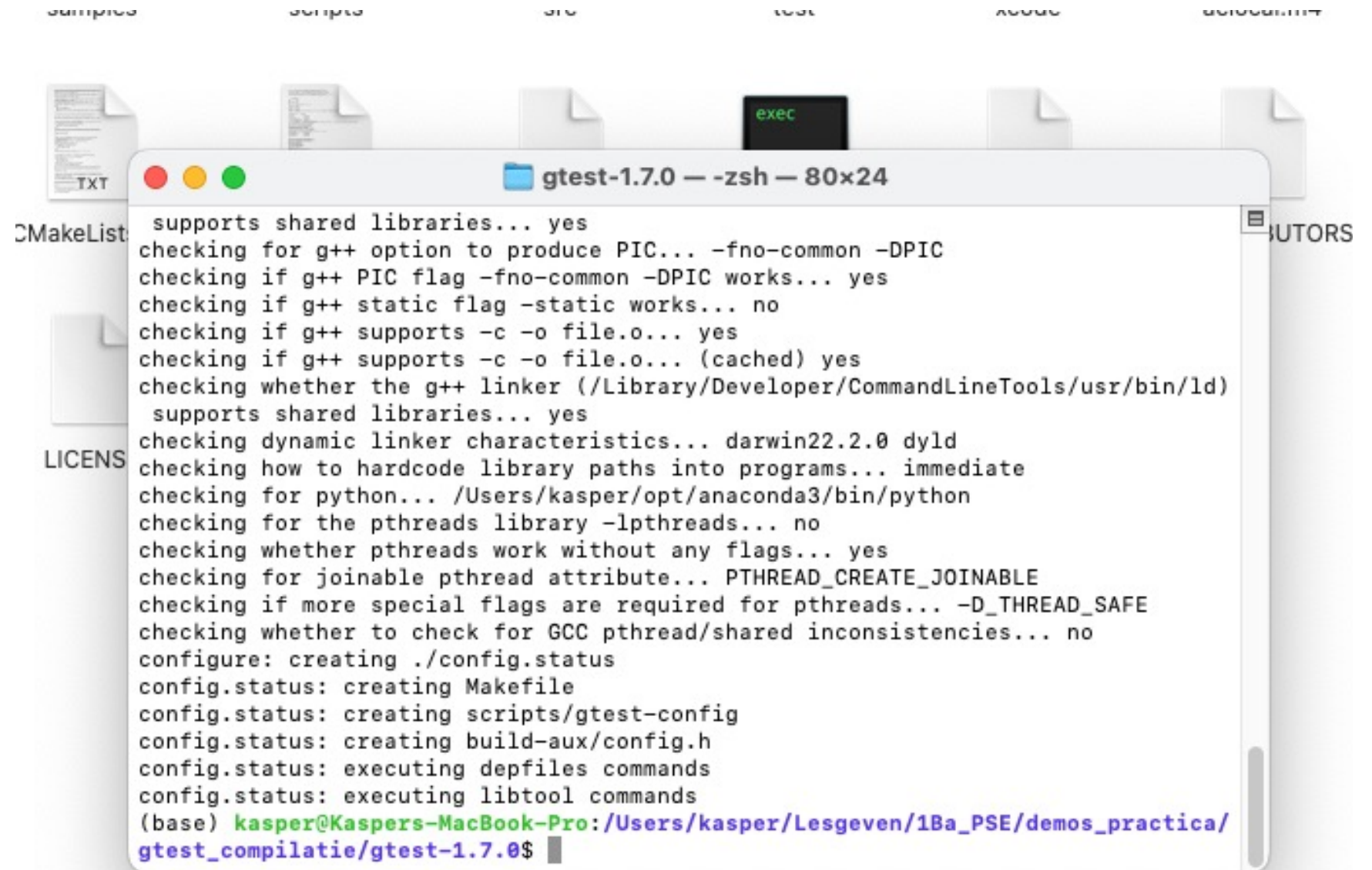


The image shows a terminal window titled "gtest-1.7.0 --zsh-- 80x24" with the following output:

```
Last login: Tue Feb 21 19:33:13 on ttys000
((base) kasper@Kaspers-MacBook-Pro:/Users/kasper/Lesgeven/1Ba_PSE/demos_practica/]
gtest_compilatie/gtest-1.7.0$ ./configure
codegear/ configure*
```

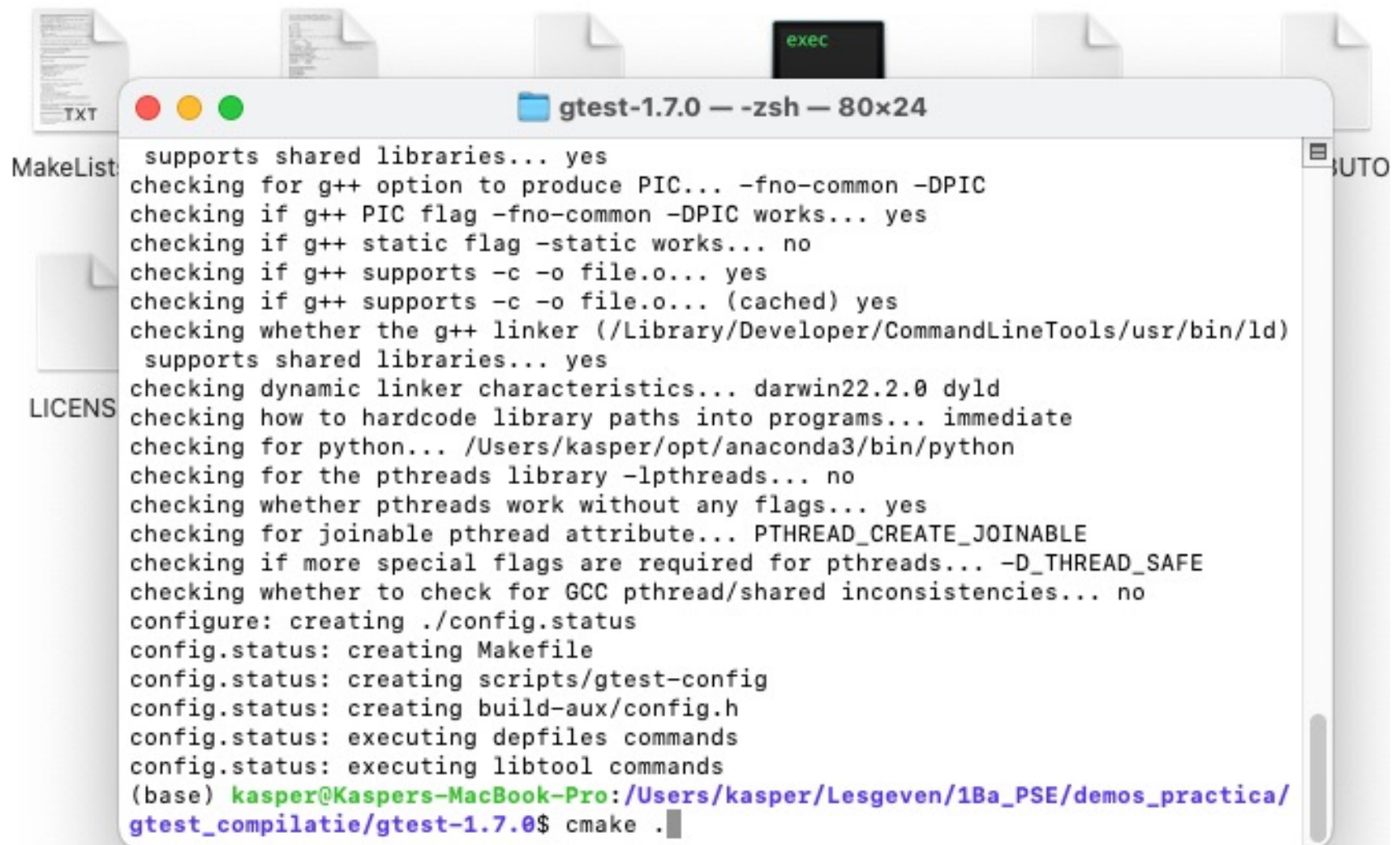
The terminal window is overlaid on a file explorer showing a directory with subfolders: samples, scripts, src, test, xcode, and alocal.m4. Files visible include a TXT file, an exec file, and a README file.

# ./configure



```
supports shared libraries... yes
checking for g++ option to produce PIC... -fno-common -DPIC
checking if g++ PIC flag -fno-common -DPIC works... yes
checking if g++ static flag -static works... no
checking if g++ supports -c -o file.o... yes
checking if g++ supports -c -o file.o... (cached) yes
checking whether the g++ linker (/Library/Developer/CommandLineTools/usr/bin/ld)
supports shared libraries... yes
checking dynamic linker characteristics... darwin22.2.0 dyld
checking how to hardcode library paths into programs... immediate
checking for python... /Users/kasper/opt/anaconda3/bin/python
checking for the pthreads library -lpthreads... no
checking whether pthreads work without any flags... yes
checking for joinable pthread attribute... PTHREAD_CREATE_JOINABLE
checking if more special flags are required for pthreads... -D_THREAD_SAFE
checking whether to check for GCC pthread/shared inconsistencies... no
configure: creating ./config.status
config.status: creating Makefile
config.status: creating scripts/gtest-config
config.status: creating build-aux/config.h
config.status: executing depfiles commands
config.status: executing libtool commands
(base) kasper@Kaspers-MacBook-Pro:~/Users/kasper/Lesgeven/1Ba_PSE/demos_practica/
gtest_compilatie/gtest-1.7.0$
```

# cmake .

A terminal window titled "gtest-1.7.0 - -zsh - 80x24" displays the output of a cmake command. The window has a title bar with red, yellow, and green window control buttons. The terminal text shows various checks for compiler and linker options, followed by the creation of configuration files and the execution of the cmake command.

```
supports shared libraries... yes
checking for g++ option to produce PIC... -fno-common -DPIC
checking if g++ PIC flag -fno-common -DPIC works... yes
checking if g++ static flag -static works... no
checking if g++ supports -c -o file.o... yes
checking if g++ supports -c -o file.o... (cached) yes
checking whether the g++ linker (/Library/Developer/CommandLineTools/usr/bin/ld)
supports shared libraries... yes
checking dynamic linker characteristics... darwin22.2.0 dyld
checking how to hardcode library paths into programs... immediate
checking for python... /Users/kasper/opt/anaconda3/bin/python
checking for the pthreads library -lpthreads... no
checking whether pthreads work without any flags... yes
checking for joinable pthread attribute... PTHREAD_CREATE_JOINABLE
checking if more special flags are required for pthreads... -D_THREAD_SAFE
checking whether to check for GCC pthread/shared inconsistencies... no
configure: creating ./config.status
config.status: creating Makefile
config.status: creating scripts/gtest-config
config.status: creating build-aux/config.h
config.status: executing depfiles commands
config.status: executing libtool commands
(base) kasper@Kaspers-MacBook-Pro:~/Users/kasper/Lesgeven/1Ba_PSE/demos_practica/
gtest_compilatie/gtest-1.7.0$ cmake .
```

# cmake .

```
gtest-1.7.0 — -zsh — 80x24
- skipped
-- Detecting C compile features
-- Detecting C compile features - done
CMake Deprecation Warning at CMakeLists.txt:43 (cmake_minimum_required):
  Compatibility with CMake < 2.8.12 will be removed from a future version of
  CMake.

  Update the VERSION argument <min> value or use a ...<max> suffix to tell
  CMake that the project does not need compatibility with older versions.

-- Found PythonInterp: /Users/kasper/opt/anaconda3/bin/python (found version "3.
9.13")
-- Looking for pthread.h
-- Looking for pthread.h - found
-- Performing Test CMAKE_HAVE_LIBC_PTHREAD
-- Performing Test CMAKE_HAVE_LIBC_PTHREAD - Success
-- Found Threads: TRUE
-- Configuring done
-- Generating done
-- Build files have been written to: /Users/kasper/Lesgeven/1Ba_PSE/demos_practi
ca/gtest_compilatie/gtest-1.7.0
(base) kasper@Kaspers-MacBook-Pro:~/Users/kasper/Lesgeven/1Ba_PSE/demos_practi
ca/gtest_compilatie/gtest-1.7.0$
```

# make

```
gtest-1.7.0 -- -zsh -- 80x24
CMake that the project does not need compatibility with older versions.

-- Found PythonInterp: /Users/kasper/opt/anaconda3/bin/python (found version "3.
9.13")
-- Looking for pthread.h
-- Looking for pthread.h - found
-- Performing Test CMAKE_HAVE_LIBC_PTHREAD
-- Performing Test CMAKE_HAVE_LIBC_PTHREAD - Success
-- Found Threads: TRUE
-- Configuring done
-- Generating done
-- Build files have been written to: /Users/kasper/Lesgeven/1Ba_PSE/demos_practi
ca/gtest_compilatie/gtest-1.7.0
[(base) kasper@Kaspers-MacBook-Pro:/Users/kasper/Lesgeven/1Ba_PSE/demos_practica/]
gtest_compilatie/gtest-1.7.0$ make
[ 25%] Building CXX object CMakeFiles/gtest.dir/src/gtest-all.cc.o
[ 50%] Linking CXX static library libgtest.a
[ 50%] Built target gtest
[ 75%] Building CXX object CMakeFiles/gtest_main.dir/src/gtest_main.cc.o
[100%] Linking CXX static library libgtest_main.a
[100%] Built target gtest_main
(base) kasper@Kaspers-MacBook-Pro:/Users/kasper/Lesgeven/1Ba_PSE/demos_practica/
gtest_compilatie/gtest-1.7.0$
```



# Resultaat

