

## Lesson1 任务完成情况

Task1

Task3

Task4

Task5

Task6

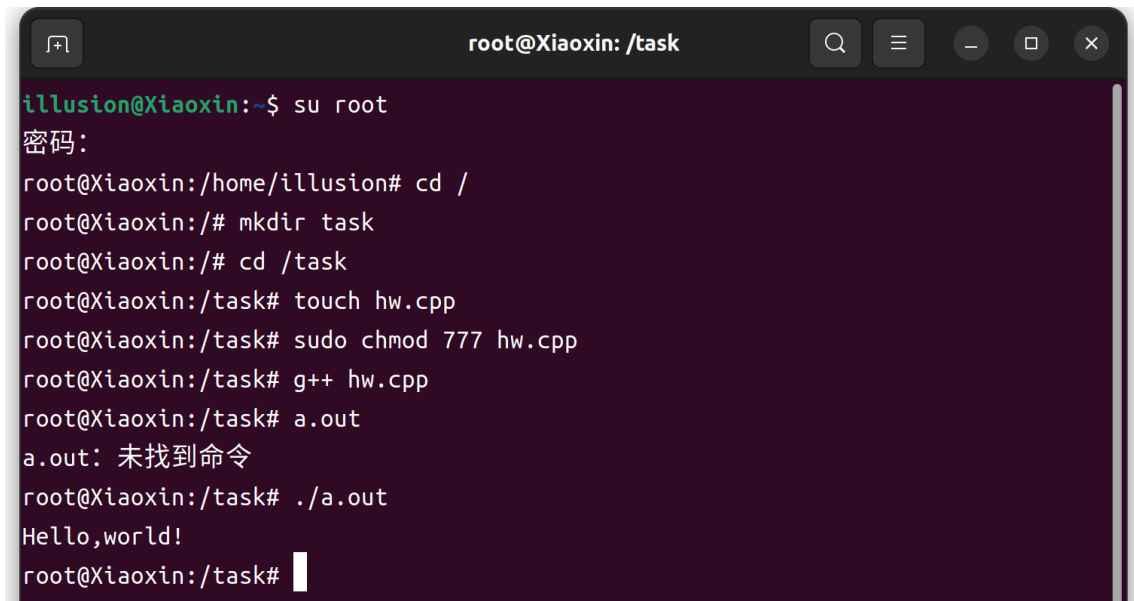
# Lesson1 任务完成情况

## Task1

使用双系统完成

## Task3

1. 最常用的命令位于/bin中
2. 执行图片如下:



```
root@Xiaoxin: /task
illusion@Xiaoxin:~$ su root
密码:
root@Xiaoxin:/home/illusion# cd /
root@Xiaoxin:/# mkdir task
root@Xiaoxin:/# cd /task
root@Xiaoxin:/task# touch hw.cpp
root@Xiaoxin:/task# sudo chmod 777 hw.cpp
root@Xiaoxin:/task# g++ hw.cpp
root@Xiaoxin:/task# a.out
a.out: 未找到命令
root@Xiaoxin:/task# ./a.out
Hello,world!
root@Xiaoxin:/task#
```

## Task4

1. 编写CMakeLists.txt如下:

```
cmake_minimum_required(VERSION 3.5)
project(Hw)
add_executable(Hello-world hw.cpp)
```

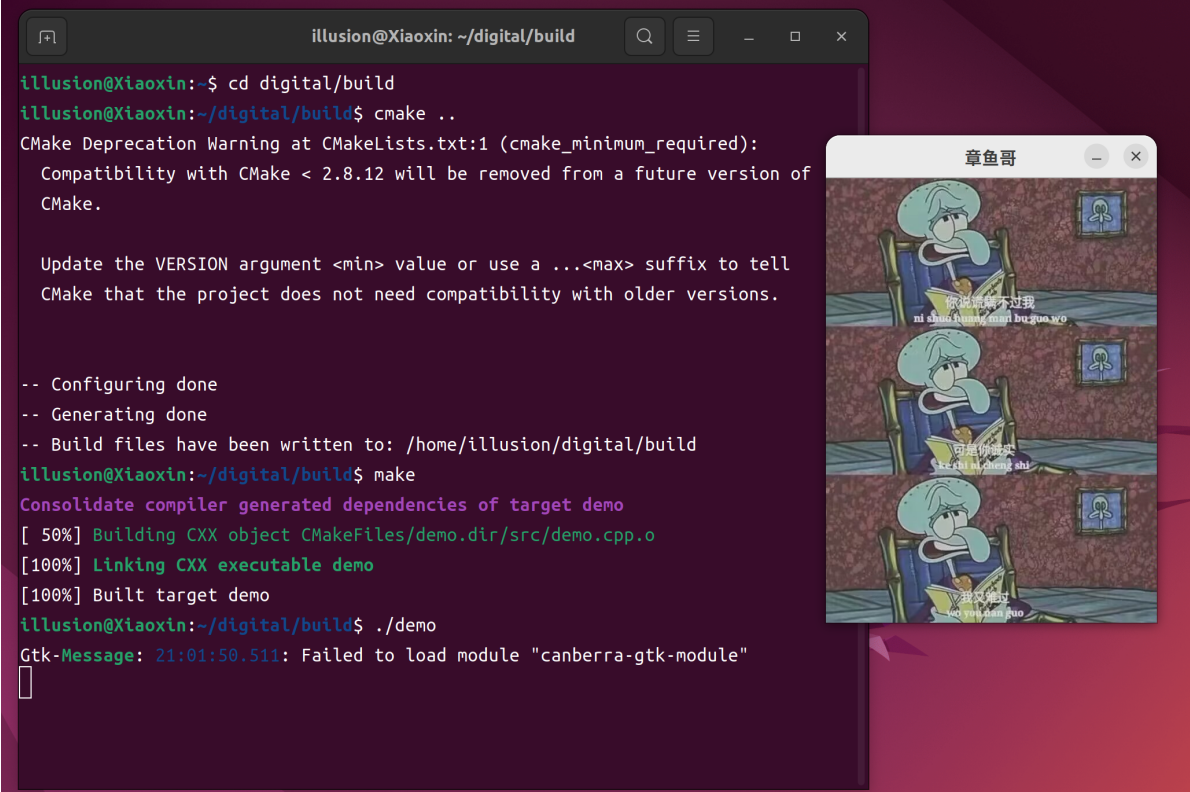
2. 创建build文件夹, cd进入, 输入命令 `cmake ..`, 随后使用 `make` 命令, 运行可执行文件, 得到如下结果

```
[100%] Linking CXX executable Hello-world
[100%] Built target Hello-world
root@Xiaoxin:/task/build# ./Hello-world
Hello,world!
root@Xiaoxin:/task/build#
```

## Task5

安装opencv 4.8.0

测试结果如下



```
illusion@Xiaoxin: ~/digital/build
illusion@Xiaoxin:~$ cd digital/build
illusion@Xiaoxin:~/digital/build$ cmake ..
CMake Deprecation Warning at CMakeLists.txt:1 (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.

-- Configuring done
-- Generating done
-- Build files have been written to: /home/illusion/digital/build
illusion@Xiaoxin:~/digital/build$ make
Consolidate compiler generated dependencies of target demo
[ 50%] Building CXX object CMakeFiles/demo.dir/src/demo.cpp.o
[100%] Linking CXX executable demo
[100%] Built target demo
illusion@Xiaoxin:~/digital/build$ ./demo
Gtk-Message: 21:01:50.511: Failed to load module "canberra-gtk-module"
```

安装时遇到的几个问题

- 安装opencv依赖项的时候出现无法定位 libjasper-dev

解决方法

```
sudo add-apt-repository "deb http://security.ubuntu.com/ubuntu xenial-
security main"
sudo apt update
sudo apt install libjasper1 libjasper-dev
```

- 上一个解决方法出现NO\_PUBKEY 报错

解决方法

```
sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv 报错语句后的
字符
```

# Task6

## 1. CMakeLists.txt补全如下

```
cmake_minimum_required(VERSION 2.8)
project(segmentation)
set(CMAKE_CXX_STANDARD 11)

find_package(OpenCV REQUIRED)
include_directories(${OpenCV_INCLUDE_DIRS})
set(SOURCE_FILES src/main.cpp src/segment.cpp )

add_executable(Task src/main.cpp src/segment.cpp)
target_link_libraries(Task ${OpenCV_LIBS})
```

## 2. 能够成功运行, 结果如下

