

# CV-HW5

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## 1. Environment

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- Ubuntu18.04LST
- C++11
- Opencv3.2
- CImg

## 2. Directory structure

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```
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|---ans_img
|   |---ex1      #存放任务一的实验结果截图
|   |---ex2      #存放任务二的实验结果截图
|
|---src
|   |---sample    #存放KNN识别数字的训练样本
|   |---ans.hpp   #头文件
|   |---main      #可执行文件
|   |---main.cpp  #源代码
|   |---Makefile
|
|---CImg.h
|
|---H-Image0.bmp  #任务所给输入图片
|---H-Image1.bmp
|---H-Image2.bmp
|
|---Readme.pdf
|
|---Report.pdf
```

## 3. How to run

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```
$ cd ./src/
$ make && ./main
```

## 4. Attention

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- Please don't change the directory structure, or it'll cause the unpredictable error.
- You can change the notes in the function main() to execute the task1 or 2 (default task2).
- If the program doesn't work, plz send me an e-mail and I will repair it asap. Thank u!
- The output of the program(xx.bmp) will be stored in the current folder.