

# Report on Labwork 0: Investigate

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## 1 How do you compile the labwork project?

- I followed the instructions from professor's labwork 0 and build the project.

```
mkdir build
cd build
cmake ..
make -j
```

## 2 What do you need to compile the project?

- An account to access ICTLab server (since my laptop does not support the 2 next below requirements).
- NVIDIA graphics drivers.
- CUDA SDK (7+).
- OS: GNU/Linux.
- Compiler: nvcc
- libjpeg to encode/decode JPEG files.

## 3 Write command and output for your compilation?

- Run:

```
./labwork 1 ../data/cloud.jpeg
```

- Output:

USTH ICT Master 2018, Advanced Programming for HPC.  
Warming up...  
Starting labwork 1  
labwork 1 CPU ellapsed 266.0ms  
labwork 1 ellapsed 6.5ms