

# Lab 2 - Device Info

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## Get to know the GPU?

I used `cudaGetDeviceCount()` to get number of GPUs, and get their accordingly `cudaDeviceProp` struct.

Here is the result on server ict3:

```
1 GPU #0:
2   - Name: GeForce GTX 1080
3   - Core info:
4     + Clock rate: 1835000
5     + Number of cores: 2560
6     + Number of multiprocessors: 20
7     + Warp size: 32
8   - Memory info:
9     + Clock rate: 5005000
10    + Bus width: 256
11    + Bandwidth: 1281280000
12
13 GPU #1:
14   - Name: GeForce GTX TITAN Black
15   - Core info:
16     + Clock rate: 980000
17     + Number of cores: 2880
18     + Number of multiprocessors: 15
19     + Warp size: 32
20   - Memory info:
21     + Clock rate: 3500000
22     + Bus width: 384
23     + Bandwidth: 1344000000
```