Report Labwork 2: Get to know your GPU

Nguyen Huy Hung

September 28, 2025

1   Device name

In this labwork, my main environment runtime is using Google Colab. First step to know device name and device id using cuda from numba. To get know device name and id, i using the "current context()" function.

2   Core info

In this section, we follow do find information about core, to count multiprocessor and core. About multiprocessor, after get current device, using function multiprocesscount to count number of multiprocess.

3   Mem size

In the last section, we focus on about memory size. We can easy get information of memory size by call function in numba.(totalmem).