How to launch jupyter-notebook on Zhores sandbox

Using this guideline you can launch ipynb examples for this lecture (**this was only tested on Ubuntu 18.04.**):

1. Download guidelines archive and unpack it on some folder on your local computer

2. Open terminal and **cd** to the directory that holds the guidelines

3. Write in terminal "scp -r -P 2200 guidelines <your_login>@sandbox.zhores.net:∼"

4. Write in terminal "ssh -p 2200 <your_login>@sandbox.zhores.net"

5. Enter your password

6. Your terminal is now located at a remote access node on Zhores sandbox. Write the command "salloc -p gpu --gpus=1"

7. "ssh gn01"

8. "module load gpu/cuda_10.0"

9. "module load python/python-3.6.8"

10. Install CuPy (only once):
    "pip install cupy-cuda100 --user"

11. "jupyter-notebook --ip 0.0.0.0". The terminal will print some text where you can find a **port** (like 8888 or 8889) and a **token** (string that starts after "token=")

12. Open new terminal on your local computer

13. On your local terminal write
    "ssh -L <your_port>:gn01:<your_port> <your_login>@sandbox.zhores.net -p 2200"

14. Open your local browser. Type "localhost:<your_port>" in the address bar

15. Type your token string

16. You can now start running examples