

## Assignment #1 (100 points)

### MNIST classification Practice

**Due on 2<sup>nd</sup> Mar (Fri) 23:59**

Implement a simple TensorFlow or PyTorch code to classify images of the MNIST dataset.

You may follow the instruction in

<https://www.tensorflow.org/tutorials/layers#mnistfor-ml-beginners>

<http://pytorch.org/tutorials/>

If you are experienced in deep learning, then try an advanced model you like (extra point).

\* Submission instruction

1. Your solutions should be submitted to the LMS webpage in a single zip file with the filename: A1\_LastName\_FirstName\_StudentID.zip. This zip file should contain: (i) a PDF file A1\_LastName\_FirstName\_StudentID.pdf with your report; (ii) the source code used to generate the results (with code comments), along with a demo script that runs the code for each part of the assignment in turn.
2. The report should be no more than 1 page and include the table showing the performance of your model. For the report, use the latex template downloaded from [http://cvlab.postech.ac.kr/~mcho/class/2018S\\_CSED703B/latex\\_template.zip](http://cvlab.postech.ac.kr/~mcho/class/2018S_CSED703B/latex_template.zip).
3. Make sure that your code is ready to run using a single command. Include readme.txt file for the instruction.