21104171 Introduction to Machine Learning Final Project
(Due date: 23.6.7 23:59)

[Overview]

In this project, you will develop a convolutional neural network (CNN) to perform classification and test it out on the CIFAR-10 dataset.

This project is an opportunity for you to apply what you have learned in the class. The goal of the final project is to check whether you understand important concepts for training CNN such as:

- Network architecture
- Optimization
- Loss function
- Data preprocessing
- Regularization
- Etc.

You can **modify the given code** to *improve the performance* of the network **except for the dataset**.

[Important Dates]

✓ 23.06.05 and 23.06.07
  - Q&A Session in class

✓ ~23.06.07 23:59
  - **[Individual report]** You should submit **one report each** with the name "Student ID_Name_report.pdf".
  - **[Code per team]** **A representative of each team** should upload your **own code** with the name "OO조_code.ipynb".

✓ 23.06.12 and 23.06.14
  - **One presentation** per team in class
  - **[8 min]** 5-min presentation + 3-min Q&A

[Weighting]

- ✓ Individual report – 30%

- ✓ Code implementation and the performance of your algorithm – 35%

- ✓ Presentation – 35%

[Late and Copy Policy]

- ✓ **Anyone who copies another person's report or code will receive a grade of F.**

- ✓ Individual report
  - **After the deadline**, only **50%** of the points are awarded.
  - **Two days after** the deadline, there will be **0 points**.

- ✓ Code submission
  - Delays are not allowed.