AI & Pattern Recognition   Classwork 02   Artificial Neural Networks

ID： _____   **Name：** _____   **March 19, 2025**

1. Construct a perceptron model with TensorFlow Keras to categorize Fashion MINST. Evaluate the classification accuracy on both the training and test sets. Provide an explanation for the observed differences between train set and test set in the results.

2. Construct a Multi-Layer Perceptron (MLP) with one hidden layer comprising 50 hidden neurons. Perform the same tasks as described in Problem 1 and conduct a comparison of the accuracy results.