Consider the MINST data set trained in Assignment 3. In this project, students will implement the neural network.

**Task 1 [80]: Neural Network GridSearch Implementation**

Implement neural network grid search from scratch that tunes the hyperparameters (Number of neurons, hidden layers, batch size, etc.).

* Other packages than NumPy are allowed but not in Neural Network Algorithm

**Task 2 [20]: Train Model**

* Train your Neural Network GridSearch algorithm and report the result.
* Compare your result to the result obtained in Assignment 3, Question 2.
* Discuss your performance.