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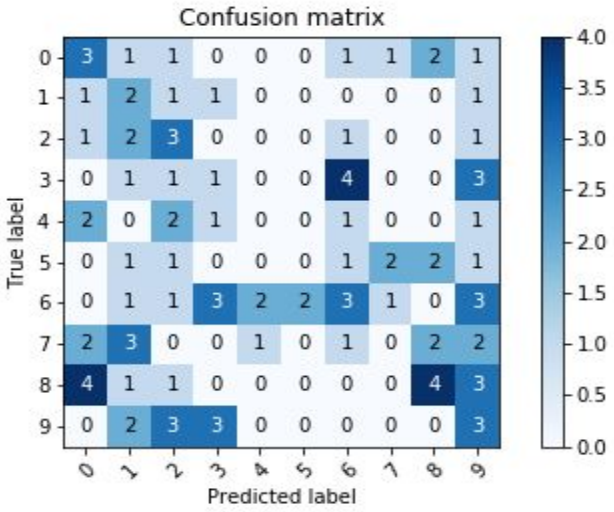
Making K-Nearest Neighbors Classifier:

After Modularizing the algorithm I made 3 helper functions:
1, euclideanDistance (finds the euclidean distance between 2 tensors)
2, neighbors (finds k nearest neighbors from train data for given test instance)
3, response (finds the response based on majority votes from neighbors)

Then I calculated accuracy between predicted labels and original labels using scikit-learn accuracy metric

Then I plotted **Confusion matrx** using the scikit-learn library.



Confusion Matrix for CIFAR 10 Dataset