Opdrachten:

1. Complete this tutorial:  <https://www.tensorflow.org/tutorials/keras/classification>
2. Adapt the Neural Network Model to include 64 neurons in the first layer. Report the resulting accuracy on the testset. -> 0.8765
3. Adapt the Neural Network Model to include 256 neurons in the first layer. Report the resulting accuracy on the testset. -> 0.8799
4. Add an additional layer of 128 neurons to the first model. Report the resulting accuracy on the testset. -> 0.8841
5. [Bonus] Take a picture of your shoe (on a white surface) and check if the model categorizes it accurately. Note you will have to do some preprocessing in order for the image to have similar properties to the images in the dataset.
6. Use the MNIST letter recognition dataset and report the accuracy using the same model as in the tutorial. This dataset  is basically the `hello world` of Deep Learning. Report the accuracy on the test set.