Homework One:

1. Implement a Neural Network for both classification (use the sklearn load\_digits) and one for regression.
   1. How did you know when you were done training?
   2. How did you optimize your parameters?
   3. Plot your training/validation curves to bolster your arguments
   4. Plot a histogram of your weights from a particular layer (it must have at least 50 neurons)
2. Scrape the top 100 Billboard Artists from this website:

<https://www.billboard.com/charts/hot-100>

Your answer must be a function that I can run from my computer so that I can get a list of the artist, song, and position.