Source Code:
GitHub: https://github.com/steve3p0/cs510dl/tree/master/hw5

For this assignment you will implement DCGAN in pytorch. The code is available at this link:
https://pytorch.org/tutorials/beginner/dcgan_faces_tutorial.html

1. *How long did it take you. Any significant challenges?*
   It took one hour and 32 minutes to train on all 200,000 images on a computer with a GTX 1070 GPU.

   There weren't any significant challenges, other than it wasn't possible to run this on Google Colab. You would have to extract all 200,000 images from the zip file onto your Google Drive. I suppose if you had Google Drive installed on your computer, this might be easier, but it took probably 20-30 minutes just to download and extract all those files on my computer that has a GPU.

2. *Provide a set of real and fake images:*
   OK, so most of these fake images look like someone turned on the heat in a wax museum, but there are a few that aren't completely horrendous. It would be interesting to explore GANs that generate music.

Real Images   Fake Images