How to use:

- The notebook is too heavy to run on Google Colab, so we ran it on our computer.
- Make sure you are running with CPU and not GPU (the code doesn't support it).
- Need to download ex3_308167675_211388491.zip file to your computer.
- Extract the files.
- Now you should have a folder with 2 folders and python notebook file:
 - checkpoints (saved models)
 - M1_+_SVM
 - DCGAN
 - WGAN
 - o data (the dataset)
 - o ex3_308167675_211388491.ipynb
 - o readme.pdf (this file)
- Open the python notebook with an environment like Visual Studio Code on the containing folder.
- Click on Run All to train the models. For just the results see instructions below.
- The python notebook contains implementation of both sections 3 and 4.
- For each question it imports modules, inits the models, trains and evaluates the results.
- You can skip the training cells and run everything else to get the results meaning run all
 cells but the cells of the main functions for question 3 and the 2 main functions of the
 DCGAN model and WGAN model.

Getting results for question 3:

Run all cells in order but the "Main" cell:

Getting results for question 4:

Run all cells in order, but the 2 "Main" cells:

1. DCGAN Main cell:

2. WGAN Main cell: