## How to train and test the model:

- 1. Run the provided code.
- 2. The model will be trained automatically, for both datasets.
- 3. The VAE weights and SVM model will be saved
- 4. The accuracies for different numbers of labels will be printed, as well as comparison between real and reconstructed images.

**Note:** The code assumes that the Fashion-MNIST / MNIST datasets will be downloaded and stored in the `data` directory. You may need to adjust the path if your dataset is located elsewhere.