To run our models attached in the zip file please run the following commands:

import tensorflow as tf

simple\_classifier = tf.keras.models.load\_model('/content/cnn\_simple.h5')

complex\_classifier = tf.keras.models.load\_model('/content/cnn\_complex.h5')

**Details about all the files and folders in the zip folder:**

*q1 - q4 folders* : These contain visualization images for all the asked images (these are also included in the report.

*simple\_cnn.py* : This file contains the code we used to generate our preliminary model.

*complex\_cnn.py* : This file contains the code we used to generate our optimized model.

*cnn\_simple.h5* : Our preliminary model.

*cnn\_complex.h5* : Our optimized model.