For auto generation the user should

- Please make sure thr net_config_params.txt and net_weights.txt has been generated and they are located at FeedforwardNet/fpga_cnn/caffe_converter folder
- Change the directory to codeGenerator folder
- Run generator:

    ./run_generator.sh

    It will run python scripts for generation of construct_net.h, config.h and ff_test.cpp files
- You will be prompted to enter the path to the folder with test images:

    "Please enter test image path: "
- Then you will be prompted to enter the types of input data, weights and output data.

    "Please enter the type of input: "

    "Please enter the type of weights: "

    "Please enter the type of output: "
- Next the path to test img is asked:

    "Please enter the path to test image"
- Then the color specification input is asked:

    "Please the color specification input:"

You are asked to specify if your image is colored or grayscaled one. So you should enter "color" or "grayscale" respectively.

- Then the height and width of the image are asked (if the image is colored one):

    "height:"

    "width:"

As the result, the test_demo folder is generated. The folder contains all necessary libraries and files with 3 generated files, construct_net.h, config.h and ff_test.cpp are generated in