

Readme file :

To compile and run the code,
For Exercise 3:

- 1) Move the ex3.cpp file content into the main.cpp created when we create a new project.
- 2) Open Xcode, select the project
- 3) capture(0) in the code takes the default camera attached to your system.
- 4) In sprintf function, change the 2nd parameter to the path where you want to store the down sampled images.
- 5) Go to Product-> Build . If there are any errors, they will be displayed otherwise the build will be successful.
- 5) Then go to Product-> Run. The project executes and press the Esc key to stop the project.
- 6) We can notice Program ended with exit code:0 in variables view window which implies that the program is executed successfully.

For Exercise 4:

- 1) Move the ex4.cpp file content into the main.cpp created when we create a new project.
- 2) Open Xcode, select the project
- 3) capture(0) in the code takes the default camera attached to your system.
- 4) In writer.open() , change it to the path where you want to store the original file video i.e the frames from the camera.
- 5) In downsam.open(), change it to the path where you want to store the down sampled images as a video.
- 5) Go to Product-> Build . If there are any errors, they will be displayed otherwise the build will be successful.
- 5) Then go to Product-> Run. The project executes and press the Esc key to stop the project.
- 6) We can notice Program ended with exit code:0 in variables view window which implies that the program is executed successfully.