

Environment used:

Ubuntu 14.04

OpenCV 3.2.0

Compilation and Execution Instructions:

1. go the directory DFT_DCT_Katukuri
2. execute the below command to compile the code

```
g++ Exercise_2.1.cpp -o out1 `pkg-config --cflags --libs opencv`
```

3. run the code by executing below

```
./out1
```

4. Four windows will be displayed with name as below

zebras → this is the input image

idft → Output image from idft

idft for Lmin → Output for computed minimum L value from idft

idct → Output image from idct

idct for Lmin → Output for computed minimum L value from idct

5. The 4 output image from the above step will be save in the current directory.
6. Press any key from key board to stop running the code and closing the image display windows
7. L-min for DFT is 52 for DCT is 70