

Getting Started COSC 455

Exercise

1. Install anaconda on your computing system
2. Load the following images and print out information about each
 - flowers.tif
 - cameraman.tif

For each image do the following using python:

- a) display the image, you can use the `imshow()`
 - b) print out the following structural information about the image:
shape, ndim, size, min value, max value and dtype. (these are all ndarray attributes)
 - c) print out the value(color/intensity at index [100,100]
3. convert each of the above images into a gray scale image and repeat parts (a) and (b)

Notes:

- copy the displayed image from python and past it into a word document
- submit a document that contains:
 - image displayed via python
 - answers to question 2 & 3
 - listing of python statements used to answer statements 2&3. (it can just be a copy of your python log)
- if your image does not display as expected, you may have to provide additional parameters to your ***imshow()*** function. Look up ***cmap*** parameter for ***imshow()***

Be prepared to display your work during class on Wednesday.