\*\*\*\*FORMAT\*\*\*\*

-> Python file with .py format has the code.

—FUNCTIONS—

-> firstOrder is the function which computes the first order derivatives of the first image.

-> zeroOrder is the function which convolves the image with zero order derivatives and first order derivatives.

-> correlate is the function used for autocorrelating the images in the file.

-> ‘\_\_main\_\_’ function has image files iteration and function calls.

\*\*\*\*FILE STRUCTURE\*\*\*\*

-> /samples/sample\_input/moon\_frames - has the pictures for the video of moon.

/walking\_frames - has the pictures for the video of a walking man.

-> /samples/output\_generated/moon\_frames - has the output moon pictures.

/walking\_frames - has the output walking man pictures.

---NOTE---

-> The input files have different formats(.png or .jpg).

-> Output files are set to be of the same format (.png).

-> Change of input must be specified in 6 places in the code.

---REFERENCES---

->Numpy documentation:

https://docs.scipy.org/doc/numpy/reference/routines.array-manipulation.html