

ReadME File

PART-1

Dependencies:

To run the code, you need the following Python libraries:

- opencv-python
- opencv-contrib-python
- numpy
- matplotlib
- os (built-in)

Make sure they are installed before running the script.

The folder named Part_1 contains:

- coins.py
- 2 images (coins1.png and coins2.png)

Steps to run the code:

- Download the entire folder Part_1
- Install the dependencies
- Run the python script using command `python coins.py` The output images will be stored in output_images folder
- All the preprocessing and final image will also be displayed when the script is executed.

PART-2

Dependencies:

To run the code, you need the following Python libraries:

- opencv-python
- matplotlib

Make sure they are installed before running the script.

The folder named Part_1 contains:

- part2_code.py
- Unstitched_images folder
 - this folder contains the left, middle, right input images
 - also contains first, second, third input images (different example)

Steps to run the code:

- Download the entire folder Part_2
- Install the dependencies
- Run the python script using command `python part2_code.py`
- The output panorama image will be stored in same directory as `panorama.png`
- On running the script, first the keypoints detected image will be shown for all the 3 input images and then the final panorama will also be displayed.