Synthetic Image Generator (Python & Japanese)

Details and Features -

The project focuses on generating synthetically generated images with any type of text provided by the user. It has been implemented in Python and deals with Image processing using Pillow and OpenCV packages.

It first changes the text so that it can be in a specific format (From Right to Left) in the document. Also, the text is divided into paragraphs that appear from right to left and divided into random number of rows.

All of text is then imposed on a plain background and this leads to creation of Synthetic Images. The client/user can decide how many Synthetic need to be generated and accordingly different images are generated (Being randomly chosen parameters, hence images are not same)

How to Use Synthetic Image generator –

1. Save the "Fonts" folder in the same directory as the Python Code

2. Run the code as - python filename.py --count number

3. Save the background image in the same directory as the Python Code

4. Install all the required packages mentioned in the code