

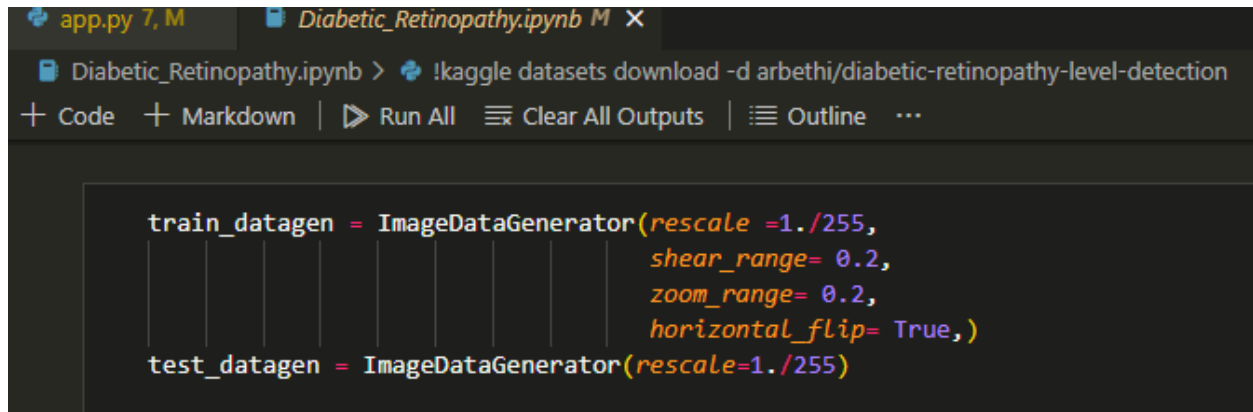
Configure ImageDataGenerator Class

ImageDataGenerator class is instantiated and the configuration for the types of data augmentation

There are five main types of data augmentation techniques for image data; specifically:

- Image shifts via the `width_shift_range` and `height_shift_range` arguments.
- The image flips via the `horizontal_flip` and `vertical_flip` arguments.
- Image rotations via the `rotation_range` argument
- Image brightness via the `brightness_range` argument.
- Image zoom via the `zoom_range` argument.

An instance of the ImageDataGenerator class can be constructed for train and test.



```
app.py 7, M | Diabetic_Retinopathy.ipynb M X
Diabetic_Retinopathy.ipynb > !kaggle datasets download -d arbethi/diabetic-retinopathy-level-detection
+ Code + Markdown | ▶ Run All | ☰ Clear All Outputs | ☰ Outline | ⋮
train_datagen = ImageDataGenerator(rescale=1./255,
                                   shear_range= 0.2,
                                   zoom_range= 0.2,
                                   horizontal_flip= True,)
test_datagen = ImageDataGenerator(rescale=1./255)
```