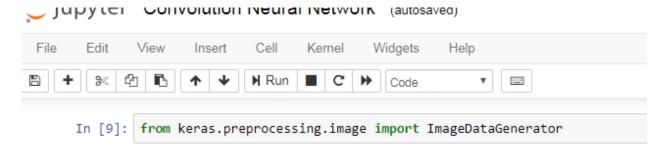
Project Development Phase Sprint 1

Date	7 November 2022
Team ID	PNT2022TMID20581
Project Name	Project - Al-Powered Nutrition Analyzer For
	Fitness Enthusiasts

❖ Import the library



Define the parameters / arguments for ImageDataGenerator class

```
train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_flip=True)
test_datagen = ImageDataGenerator(rescale=1./255)
```

Note: The ImageDataGenerator transforms each image in the hatch by a series

❖ Applying ImageDataGenerator functionality to trainset and testset

```
train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_flip=True)
test_datagen = ImageDataGenerator(rescale=1./255)

x_train = train_datagen.flow_from_directory(r'E:\dataset\training_set',target_size=(64,64),batch_size=32,class_mode='categorical')
x_test = train_datagen.flow_from_directory(r'E:\dataset\test_set',target_size=(64,64),batch_size=32,class_mode='categorical')

Found 8000 images belonging to 2 classes.
Found 2000 images belonging to 2 classes.
```