

Apply Image DataGenerator Functionality To Trainset And Testset

Title	AI powered nutrition analyzer for fitness enthusiasts
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Let us apply ImageDataGenerator functionality to Trainset and Testset by using the following code

For Training set using flow_from_directory function.

This function will return batches of images from the subdirectories 'apples', 'banana', 'orange', 'pineapple', 'watermelon' together with labels 0 to 4 {'apples': 0, 'banana': 1, 'orange': 2, 'pineapple': 3, 'watermelon': 4}

```
In [9]: Xtrain=train_datagen.flow_from_directory('C:\Users\Dell\Progra files\DataSet\Train set',  
Target_size=(64,64), class_mode='categorical', batch_size=100)
```

Found 2626 images belonging to 5 classes.

```
In [10]: Xtest=train_datagen.flow_from_directory('C:\Users\Dell\Progra files\DataSet\Train set',  
Target_size=(64,64), class_mode='categorical', batch_size=100, class_mode='sparse')
```

Found 2626 images belonging to 5 classes.