```
from keras.preprocessing.image import ImageDataGenerator

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

test_datagen =ImageDataGenerator (rescale = 1)

x_train =
train_datagen.flow_from_directory(r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fe
rtilizers_Recommendation_ System_For_Disease_ Prediction\Dataset Plant Disease\fruit-
dataset\fruit-dataset\test',target_size = (128,128), batch_size = 32, class_mode = 'categorical')
x_test =
test_datagen.flow_from_directory(r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fer
tilizers_Recommendation_ System_For_Disease_ Prediction\Dataset Plant Disease\fruit-
dataset\fruit-dataset\train',target_size = (128,128), batch_size = 32, class_mode = 'categorical')
```

```
Found 1686 images belonging to 6 classes.
Found 5384 images belonging to 6 classes.
```

```
x_train =
train_datagen.flow_from_directory(r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fe
rtilizers_Recommendation_ System_For_Disease_ Prediction\Dataset Plant Disease\Veg-
dataset\Veg-dataset\test_set',target_size = (128,128), batch_size = 32, class_mode = 'categorical')
x_test =
test_datagen.flow_from_directory(r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fer
tilizers_Recommendation_ System_For_Disease_ Prediction\Dataset Plant Disease\Veg-
dataset\Veg-dataset\test_set',target_size = (128,128), batch_size = 32, class_mode = 'categorical')
```

```
Found 3416 images belonging to 9 classes.
Found 3416 images belonging to 9 classes.
```