```json
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   "execution_count": 3,
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   "source": [
    "from keras.preprocessing.image import ImageDataGenerator"
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  },
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   "execution_count": 4,
   "id": "7cb612f6",
   "metadata": {},
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    "train_datagen = ImageDataGenerator (rescale = 1./255, shear_range= 0.2,zoom_range= 0.2, horizontal_flip = True)"
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   "id": "8af434e2",
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   ]
```

```
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   "id": "624e58e2",
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     "text": [
      "Found 1686 images belonging to 6 classes.\n",
      "Found 5384 images belonging to 6 classes.\n"
     ]
    }
   ],
   "source": [
    "x_train = train_datagen.flow_from_directory(r'C:\\Users\\maris_q3mm6nk\\Desktop\\FILES\\data_for_ibm\\Fertilizers_Recommendation_ System_For_Disease_ Prediction\\Dataset Plant Disease\\fruit-dataset\\fruit-dataset\\test',target_size = (128,128), batch_size = 32, class_mode = 'categorical')\n",
    "x_test = test_datagen.flow_from_directory(r'C:\\Users\\maris_q3mm6nk\\Desktop\\FILES\\data_for_ibm\\Fertilizers_Recommendation_ System_For_Disease_ Prediction\\Dataset Plant Disease\\fruit-dataset\\fruit-dataset\\train',target_size = (128,128), batch_size = 32, class_mode = 'categorical')"
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```json
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     "text": [
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      "Found 3416 images belonging to 9 classes.\n"
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    "x_test = test_datagen.flow_from_directory(r'C:\\Users\\maris_q3mm6nk\\Desktop\\FILES\\data_for_ibm\\Fertilizers_Recommendation_ System_For_Disease_ Prediction\\Dataset Plant Disease\\Veg-dataset\\Veg-dataset\\test_set',target_size = (128,128), batch_size = 32, class_mode = 'categorical')"
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