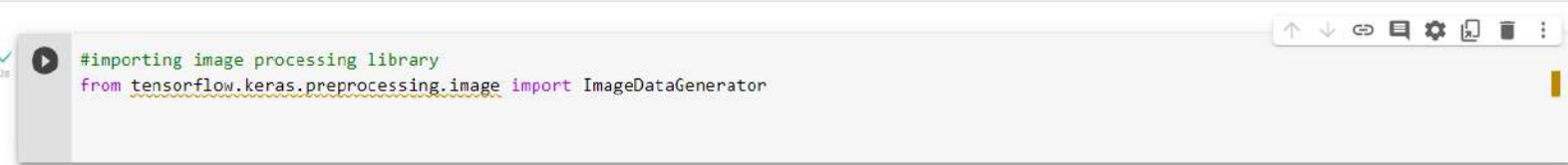TEAM ID : PNT2022TMID14840

Import the Image Data generator library

```
#importing image processing library
from tensorflow.keras.preprocessing.image import ImageDataGenerator
```

For body image preprocessing

```
imageSize = [224, 224]

trainPath = "/content/drive/MyDrive/dataset1/body/training"

testPath = "/content/drive/MyDrive/dataset1/body/validation"
```

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

test_datagen = ImageDataGenerator(rescale = 1./255)
```

```
training_set = train_datagen.flow_from_directory(trainPath,
                                                 target_size = (224, 224),
                                                 batch_size = 10,
                                                 class_mode = 'categorical')

test_set = test_datagen.flow_from_directory(testPath,
                                            target_size = (224, 224),
                                            batch_size = 10,
                                            class_mode = 'categorical')
```

For level image preprocessing

```
imageSize = [224, 224]

trainPath  = "/content/drive/MyDrive/dataset1/level/training"

testPath = "/content/drive/MyDrive/dataset1/level/validation"
```

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

test_datagen = ImageDataGenerator(rescale = 1./255)
```

```
training_set = train_datagen.flow_from_directory(trainPath,
                                                 target_size = (224, 224),
                                                 batch_size = 10,
                                                 class_mode = 'categorical')

test_set = test_datagen.flow_from_directory(testPath,
                                            target_size = (224, 224),
                                            batch_size = 10,
                                            class_mode = 'categorical')
```