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  "(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_flip=True)\n",
  "#Image Data augmentation to the testing data\n",
  "test_datagen=ImageDataGenerator(rescale=1./255)"
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  "class_mode='categorical')\n",
  "x_test = test_datagen.flow_from_directory\n",
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  "import tensorflow\n",
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  "from tensorflow.keras import layers\n",
  "from tensorflow.keras.layers import Dense, Flatten\n",
  "from tensorflow.keras.layers import Conv2D\n",
  "from keras.optimizers import Adam\n"
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 "print (x_train.shape)\n",
 "print (y_test.shape)\n",
 "(60000, 28, 28)\n",
 "(10000, 28, 28)\n",
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  "y_train=np.utils.to_categorical(y_train, number_of_classes)\n",
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"y_test=np.utils.to_categorical(y_test, number_of_classes)\n",
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    "y_train[0]\n",
    "array([0.,0.,0.,0.,0.,1.,0.,0.,0.,0.], dtype=float32"
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