from \_\_future\_\_ import absolute\_import, division, print\_function, unicode\_literals

# Install TensorFlow

import tensorflow as tf

mnist = tf.keras.datasets.mnist

(x\_train, y\_train), (x\_test, y\_test) = mnist.load\_data()

x\_train, x\_test = x\_train / 255.0, x\_test / 255.0

model = tf.keras.models.Sequential([

tf.keras.layers.Flatten(input\_shape=(28, 28)),

tf.keras.layers.Dense(128, activation='relu'),

tf.keras.layers.Dropout(0.2),

tf.keras.layers.Dense(10, activation='softmax')

])

model.compile(optimizer='adam',

loss='sparse\_categorical\_crossentropy',

metrics=['accuracy'])

model.fit(x\_train, y\_train, epochs=5)

model.evaluate(x\_test, y\_test, verbose=2)