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import tensorflow as tf
import numpy as np

# Generate training data
x_train = np.array([i for i in range(0, 100)])
y_train = np.array([(1 if i % 2 == 0 else 0) for i in x_train])

# Define the model
model = tf.keras.Sequential([ tf.keras.layers.Dense(16, activation='relu', input_shape=(1,)),
tf.keras.layers.Dense(16, activation='relu'), tf.keras.layers.Dense(1, activation='sigmoid') ])

# Compile the model
model.compile(optimizer='adam', loss='binary_crossentropy', metrics=['accuracy'])

# Train the model
model.fit(x_train, y_train, epochs=50, verbose=1)

# Generate some test data
x_test = np.array([100, 101, 102, 103, 104])
y_test = np.array([(1 if i % 2 == 0 else 0) for i in x_test])

# Evaluate the model
loss, accuracy = model.evaluate(x_test, y_test, verbose=0)

print(f'Test loss: {loss:.3}')
print(f'Test accuracy: {accuracy:.3}')
```