* One way to turn a list of tensors into a tensor is to use  [**tf.concat**](https://www.tensorflow.org/api_docs/python/tf/concat)

tf.concat(  
    values, axis, name='concat'  
)

**Example:**

# Turn a list of tensors into a tensor

preprocessed\_image\_tensor = tf.concat(preprocessed\_image\_list, axis=0)

true\_shape\_tensor = tf.concat(true\_shape\_list, axis=0)

print(f"preprocessed\_image\_tensor shape: {preprocessed\_image\_tensor.shape}")

print(f"true\_shape\_tensor shape: {true\_shape\_tensor.shape}")