

tf.layers.flatten

```
flatten(  
    inputs,  
    name=None  
)
```

Defined in [tensorflow/python/layers/core.py](#).

Flattens an input tensor while preserving the batch axis (axis 0).

Arguments:

- `inputs`: Tensor input.
- `name`: The name of the layer (string).

Returns:

Reshaped tensor.

Examples:

```
x = tf.placeholder(shape=(None, 4, 4), dtype='float32')  
y = flatten(x)  
# now `y` has shape `(None, 16)`  
  
x = tf.placeholder(shape=(None, 3, None), dtype='float32')  
y = flatten(x)  
# now `y` has shape `(None, None)`
```

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