

tf.contrib.layers.flatten

```
flatten(  
    inputs,  
    outputs_collections=None,  
    scope=None  
)
```

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

See the guide: [Layers \(contrib\)](#) > Higher level ops for building neural network layers

Flattens the input while maintaining the batch_size.

Assumes that the first dimension represents the batch.

Args:

- `inputs` : A tensor of size [batch_size, ...].
- `outputs_collections` : Collection to add the outputs.
- `scope` : Optional scope for name_scope.

Returns:

A flattened tensor with shape [batch_size, k].

Raises:

- `ValueError` : If inputs rank is unknown or less than 2.

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