tf.layers.average_pooling2d

```
average_pooling2d(
    inputs,
    pool_size,
    strides,
    padding='valid',
    data_format='channels_last',
    name=None
)
```

Defined in `tensorflow/python/layers/pooling.py`.

Average pooling layer for 2D inputs (e.g. images).

Arguments:

- `inputs`: The tensor over which to pool. Must have rank 4.
- `pool_size`: An integer or tuple/list of 2 integers: (pool_height, pool_width) specifying the size of the pooling window. Can be a single integer to specify the same value for all spatial dimensions.
- `strides`: An integer or tuple/list of 2 integers, specifying the strides of the pooling operation. Can be a single integer to specify the same value for all spatial dimensions.
- `padding`: A string. The padding method, either 'valid' or 'same'. Case-insensitive.
- `data_format`: A string. The ordering of the dimensions in the inputs. `channels_last` (default) and `channels_first` are supported. `channels_last` corresponds to inputs with shape `(batch, height, width, channels)` while `channels_first` corresponds to inputs with shape `(batch, channels, height, width)`.
- `name`: A string, the name of the layer.

Returns:

Output tensor.

Last updated November 2, 2017.