TensorFlow   API r1.4

tf.ones_like

```
ones_like(
    tensor,
    dtype=None,
    name=None,
    optimize=True
)
```

Defined in `tensorflow/python/ops/array_ops.py` .

See the guide: Constants, Sequences, and Random Values > Constant Value Tensors

Creates a tensor with all elements set to 1.

Given a single tensor (`tensor`), this operation returns a tensor of the same type and shape as `tensor` with all elements set to 1. Optionally, you can specify a new type (`dtype`) for the returned tensor.

For example:

```
tensor = tf.constant([[1, 2, 3], [4, 5, 6]])
tf.ones_like(tensor)  # [[1, 1, 1], [1, 1, 1]]
```

Args:

- `tensor` : A **Tensor** .
- `dtype` : A type for the returned **Tensor** . Must be `float32` , `float64` , `int8` , `int16` , `int32` , `int64` , `uint8` , `complex64` , `complex128` or `bool` .
- `name` : A name for the operation (optional).
- `optimize` : if true, attempt to statically determine the shape of 'tensor' and encode it as a constant.

Returns:

A **Tensor** with all elements set to 1.

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