tf.zeros

```
zeros(
    shape,
    dtype=tf.float32,
    name=None
)
```

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 zero.

This operation returns a tensor of type `dtype` with shape `shape` and all elements set to zero.

For example:

```
tf.zeros([3, 4], tf.int32)  # [[0, 0, 0, 0], [0, 0, 0, 0], [0, 0, 0, 0]]
```

Args:

- `shape`: A list of integers, a tuple of integers, or a 1-D `Tensor` of type `int32`.
- `dtype`: The type of an element in the resulting `Tensor`.
- `name`: A name for the operation (optional).

Returns:

A `Tensor` with all elements set to zero.

Except as otherwise noted, the content of this page is licensed under the Creative Commons Attribution 3.0 License, and code samples are licensed under the Apache 2.0 License. For details, see our Site Policies. Java is a registered trademark of Oracle and/or its affiliates.

Last updated November 2, 2017.