tf.rank

```
rank(
    input,
    name=None
)
```

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

See the guide: Tensor Transformations > Shapes and Shaping

Returns the rank of a tensor.

Returns a 0-D `int32` `Tensor` representing the rank of `input`.

For example:

```
# shape of tensor 't' is [2, 2, 3]
t = tf.constant([[[1, 1, 1], [2, 2, 2]], [[3, 3, 3], [4, 4, 4]]])
tf.rank(t)  # 3
```

Note: The rank of a tensor is not the same as the rank of a matrix. The rank of a tensor is the number of indices required to uniquely select each element of the tensor. Rank is also known as "order", "degree", or "ndims."

Args:

- `input`: A `Tensor` or `SparseTensor`.
- `name`: A name for the operation (optional).

Returns:

A `Tensor` of type `int32`.

numpy compatibility

Equivalent to np.ndim

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