

tf.assert_rank

```
assert_rank(  
    x,  
    rank,  
    data=None,  
    summarize=None,  
    message=None,  
    name=None  
)
```

Defined in [tensorflow/python/ops/check_ops.py](#).

See the guide: [Asserts and boolean checks](#)

Assert `x` has rank equal to `rank`.

Example of adding a dependency to an operation:

```
with tf.control_dependencies([tf.assert_rank(x, 2)]):  
    output = tf.reduce_sum(x)
```

Args:

- `x`: Numeric **Tensor**.
- `rank`: Scalar integer **Tensor**.
- `data`: The tensors to print out if the condition is False. Defaults to error message and first few entries of `x`.
- `summarize`: Print this many entries of each tensor.
- `message`: A string to prefix to the default message.
- `name`: A name for this operation (optional). Defaults to "assert_rank".

Returns:

Op raising **InvalidArgumentError** unless `x` has specified rank. If static checks determine `x` has correct rank, a **no_op** is returned.

Raises:

- **ValueError**: If static checks determine `x` has wrong rank.

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.

[Blog](#)

[GitHub](#)

[Twitter](#)

Support

[Issue Tracker](#)

[Release Notes](#)

[Stack Overflow](#)

English

[Terms](#) | [Privacy](#)