

tf.assert_less

```
assert_less(  
    x,  
    y,  
    data=None,  
    summarize=None,  
    message=None,  
    name=None  
)
```

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

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

Assert the condition `x < y` holds element-wise.

Example of adding a dependency to an operation:

```
with tf.control_dependencies([tf.assert_less(x, y)]):  
    output = tf.reduce_sum(x)
```

This condition holds if for every pair of (possibly broadcast) elements `x[i]`, `y[i]`, we have `x[i] < y[i]`. If both `x` and `y` are empty, this is trivially satisfied.

Args:

- `x`: Numeric **Tensor**.
- `y`: Numeric **Tensor**, same dtype as and broadcastable to `x`.
- `data`: The tensors to print out if the condition is False. Defaults to error message and first few entries of `x`, `y`.
- `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_less".

Returns:

Op that raises **InvalidArgumentError** if `x < y` is False.

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