tf.complex

```
complex(
    real,
    imag,
    name=None
)
```

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

See the guide: Math > Complex Number Functions

Converts two real numbers to a complex number.

Given a tensor `real` representing the real part of a complex number, and a tensor `imag` representing the imaginary part of a complex number, this operation returns complex numbers elementwise of the form *a* + *bj*, where *a* represents the `real` part and *b* represents the `imag` part.

The input tensors `real` and `imag` must have the same shape.

For example:

```
real = tf.constant([2.25, 3.25])
imag = tf.constant([4.75, 5.75])
tf.complex(real, imag)  # [[2.25 + 4.75j], [3.25 + 5.75j]]
```

Args:

- `real`: A `Tensor`. Must be one of the following types: `float32`, `float64`.
- `imag`: A `Tensor`. Must have the same type as `real`.
- `name`: A name for the operation (optional).

Returns:

A `Tensor` of type `complex64` or `complex128`.

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Release Notes

Stack Overflow

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