tf.real

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

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

See the guide: Math > Complex Number Functions

Returns the real part of a complex number.

Given a tensor `input` of complex numbers, this operation returns a tensor of type `float32` or `float64` that is the real part of each element in `input`. All elements in `input` must be complex numbers of the form *a* + *bj*, where *a* is the real part returned by this operation and *b* is the imaginary part.

For example:

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

If `input` is already real, it is returned unchanged.

Args:

- `input`: A `Tensor`. Must have numeric type.
- `name`: A name for the operation (optional).

Returns:

A `Tensor` of type `float32` or `float64`.