

tf.square

```
square(  
    x,  
    name=None  
)
```

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

See the guide: [Math > Basic Math Functions](#)

Computes square of x element-wise.

I.e., $y = x \square x = x^2$.

Args:

- **x**: A `Tensor` or `SparseTensor`. Must be one of the following types: `half`, `float32`, `float64`, `int32`, `int64`, `complex64`, `complex128`.
- **name**: A name for the operation (optional).

Returns:

A `Tensor` or `SparseTensor`. Has the same type as **x**.

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