

tf.div

```
div(  
    x,  
    y,  
    name=None  
)
```

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

See the guide: [Math > Arithmetic Operators](#)

Divides x / y elementwise (using Python 2 division operator semantics).

NOTE: Prefer using the Tensor division operator or `tf.divide` which obey Python division operator semantics.

This function divides `x` and `y`, forcing Python 2.7 semantics. That is, if one of `x` or `y` is a float, then the result will be a float. Otherwise, the output will be an integer type. Flooring semantics are used for integer division.

Args:

- `x`: **Tensor** numerator of real numeric type.
- `y`: **Tensor** denominator of real numeric type.
- `name`: A name for the operation (optional).

Returns:

`x / y` returns the quotient of `x` and `y`.

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