

tf.igammac

```
igammac(  
    a,  
    x,  
    name=None  
)
```

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

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

Compute the upper regularized incomplete Gamma function $Q(a, x)$.

The upper regularized incomplete Gamma function is defined as:

$$Q(a, x) = \text{Gamma}(a, x) / \text{Gamma}(a) = 1 - P(a, x)$$

where

$$\text{Gamma}(a, x) = \int_x^\infty t^{a-1} \exp(-t) dt$$

is the upper incomplete Gama function.

Note, above $P(a, x)$ (`Igamma`) is the lower regularized complete Gamma function.

Args:

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

Returns:

A `Tensor`. Has the same type as `a`.

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