

tf.add_n

```
add_n(  
    inputs,  
    name=None  
)
```

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

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

Adds all input tensors element-wise.

Args:

- **inputs** : A list of **Tensor** objects, each with same shape and type.
- **name** : A name for the operation (optional).

Returns:

A **Tensor** of same shape and type as the elements of **inputs**.

Raises:

- **ValueError** : If **inputs** don't all have same shape and dtype or the shape cannot be inferred.

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