

tf.shape_n

```
shape_n(  
    input,  
    out_type=tf.int32,  
    name=None  
)
```

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

See the guide: [Tensor Transformations > Shapes and Shaping](#)

Returns shape of tensors.

This operation returns N 1-D integer tensors representing shape of `input[i]`s.

Args:

- `input`: A list of at least 1 `Tensor` objects with the same type.
- `out_type`: An optional `tf.DType` from: `tf.int32`, `tf.int64`. Defaults to `tf.int32`.
- `name`: A name for the operation (optional).

Returns:

A list with the same length as `input` of `Tensor` objects with type `out_type`.

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