tf.identity_n

```
identity_n(
    input,
    name=None
)
```

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

Returns a list of tensors with the same shapes and contents as the input

tensors.

This op can be used to override the gradient for complicated functions. For example, suppose y = f(x) and we wish to apply a custom function g for backprop such that dx = g(dy). In Python,

```
with tf.get_default_graph().gradient_override_map(
    {'IdentityN': 'OverrideGradientWithG'}):
  y, _ = identity_n([f(x), x])

@tf.RegisterGradient('OverrideGradientWithG')
def ApplyG(op, dy, _):
  return [None, g(dy)]  # Do not backprop to f(x).
```

Args:

- `input`: A list of `Tensor` objects.
- `name`: A name for the operation (optional).

Returns:

A list of `Tensor` objects. Has the same type as `input`.

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