tf.assign

```
assign(
    ref,
    value,
    validate_shape=None,
    use_locking=None,
    name=None
)
```

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

See the guide: Variables > Variable helper functions

Update 'ref' by assigning 'value' to it.

This operation outputs a Tensor that holds the new value of 'ref' after the value has been assigned. This makes it easier to chain operations that need to use the reset value.

Args:

- `ref`: A mutable `Tensor`. Should be from a `Variable` node. May be uninitialized.
- `value`: A `Tensor`. Must have the same type as `ref`. The value to be assigned to the variable.
- `validate_shape`: An optional `bool`. Defaults to `True`. If true, the operation will validate that the shape of 'value' matches the shape of the Tensor being assigned to. If false, 'ref' will take on the shape of 'value'.
- `use_locking`: An optional `bool`. Defaults to `True`. If True, the assignment will be protected by a lock; otherwise the behavior is undefined, but may exhibit less contention.
- `name`: A name for the operation (optional).

Returns:

A `Tensor` that will hold the new value of 'ref' after the assignment has completed.

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