tf.losses.compute_weighted_loss

```
compute_weighted_loss(
    losses,
    weights=1.0,
    scope=None,
    loss_collection=tf.GraphKeys.LOSSES,
    reduction=Reduction.SUM_BY_NONZERO_WEIGHTS
)
```

Defined in `tensorflow/python/ops/losses/losses_impl.py`.

Computes the weighted loss.

Args:

- `losses`: `Tensor` of shape `[batch_size, d1, ... dN]`.
- `weights`: Optional `Tensor` whose rank is either 0, or the same rank as `losses`, and must be broadcastable to `losses` (i.e., all dimensions must be either `1`, or the same as the corresponding `losses` dimension).
- `scope`: the scope for the operations performed in computing the loss.
- `loss_collection`: the loss will be added to these collections.
- `reduction`: Type of reduction to apply to loss.

Returns:

Weighted loss `Tensor` of the same type as `losses`. If `reduction` is `NONE`, this has the same shape as `losses`; otherwise, it is scalar.

Raises:

- `ValueError`: If `weights` is `None` or the shape is not compatible with `losses`, or if the number of dimensions (rank) of either `losses` or `weights` is missing.

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