tf.sparse_mask

```
sparse_mask(
    a,
    mask_indices,
    name=None
)
```

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

See the guide: Variables > Sparse Variable Updates

Masks elements of `IndexedSlices`.

Given an `IndexedSlices` instance `a`, returns another `IndexedSlices` that contains a subset of the slices of `a`. Only the slices at indices not specified in `mask_indices` are returned.

This is useful when you need to extract a subset of slices in an `IndexedSlices` object.

For example:

```
# `a` contains slices at indices [12, 26, 37, 45] from a large tensor
# with shape [1000, 10]
a.indices  # [12, 26, 37, 45]
tf.shape(a.values)  # [4, 10]

# `b` will be the subset of `a` slices at its second and third indices, so
# we want to mask its first and last indices (which are at absolute
# indices 12, 45)
b = tf.sparse_mask(a, [12, 45])

b.indices  # [26, 37]
tf.shape(b.values)  # [2, 10]
```

Args:

- `a`: An `IndexedSlices` instance.
- `mask_indices`: Indices of elements to mask.
- `name`: A name for the operation (optional).

Returns:

The masked `IndexedSlices` instance.

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