tf.sparse_transpose

```
sparse_transpose(
    sp_input,
    perm=None,
    name=None
)
```

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

See the guide: Sparse Tensors > Manipulation

Transposes a `SparseTensor`

The returned tensor's dimension i will correspond to the input dimension `perm[i]`. If `perm` is not given, it is set to (n-1...0), where n is the rank of the input tensor. Hence by default, this operation performs a regular matrix transpose on 2-D input Tensors.

For example, if `sp_input` has shape `[4, 5]` and `indices` / `values`:

```
[0, 3]: b
[0, 1]: a
[3, 1]: d
[2, 0]: c
```

then the output will be a `SparseTensor` of shape `[5, 4]` and `indices` / `values`:

```
[0, 2]: c
[1, 0]: a
[1, 3]: d
[3, 0]: b
```

Args:

- `sp_input`: The input `SparseTensor`.
- `perm`: A permutation of the dimensions of `sp_input`.
- `name`: A name prefix for the returned tensors (optional)

Returns:

A transposed `SparseTensor`.

Raises:

- `TypeError`: If `sp_input` is not a `SparseTensor`.

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