tf.sparse_fill_empty_rows

```
sparse_fill_empty_rows(
    sp_input,
    default_value,
    name=None
)
```

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

See the guide: Sparse Tensors > Manipulation

Fills empty rows in the input 2-D `SparseTensor` with a default value.

This op adds entries with the specified `default_value` at index `[row, 0]` for any row in the input that does not already have a value.

For example, suppose `sp_input` has shape `[5, 6]` and non-empty values:

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

Rows 1 and 4 are empty, so the output will be of shape `[5, 6]` with values:

```
[0, 1]: a
[0, 3]: b
[1, 0]: default_value
[2, 0]: c
[3, 1]: d
[4, 0]: default_value
```

Note that the input may have empty columns at the end, with no effect on this op.

The output `SparseTensor` will be in row-major order and will have the same shape as the input.

This op also returns an indicator vector such that

```
empty_row_indicator[i] = True iff row i was an empty row.
```

Args:

- `sp_input`: A `SparseTensor` with shape `[N, M]`.
- `default_value`: The value to fill for empty rows, with the same type as `sp_input.`
- `name`: A name prefix for the returned tensors (optional)

Returns:

- `sp_ordered_output`: A `SparseTensor` with shape `[N, M]`, and with all empty rows filled in with `default_value`.
- `empty_row_indicator`: A bool vector of length `N` indicating whether each input row was empty.

Raises:

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

Last updated November 2, 2017.