tf.contrib.lookup.string_to_index

```
string_to_index(
    tensor,
    mapping,
    default_value=-1,
    name=None
)
```

Defined in `tensorflow/contrib/lookup/lookup_ops.py`.

Maps `tensor` of strings into `int64` indices based on `mapping`. (deprecated)

THIS FUNCTION IS DEPRECATED. It will be removed after 2017-01-07. Instructions for updating: This op will be removed after the deprecation date. Please switch to index_table_from_tensor and call the lookup method of the returned table.

This operation converts `tensor` of strings into `int64` indices. The mapping is initialized from a string `mapping` tensor where each element is a key and corresponding index within the tensor is the value.

Any entry in the input which does not have a corresponding entry in 'mapping' (an out-of-vocabulary entry) is assigned the `default_value`

Elements in `mapping` cannot be duplicated, otherwise the initialization will throw a FailedPreconditionError.

The underlying table must be initialized by calling `tf.tables_initializer.run()` once.

For example:

```
mapping_strings = tf.constant(["emerson", "lake", "palmer"])
feats = tf.constant(["emerson", "lake", "and", "palmer"])
ids = tf.contrib.lookup.string_to_index(
    feats, mapping=mapping_strings, default_value=-1)
...
tf.tables_initializer().run()

ids.eval()  ==> [0, 1, -1, 2]
```

Args:

- `tensor`: A 1-D input `Tensor` with the strings to map to indices.
- `mapping`: A 1-D string `Tensor` that specifies the mapping of strings to indices.
- `default_value`: The `int64` value to use for out-of-vocabulary strings. Defaults to -1.
- `name`: A name for this op (optional).

Returns:

The mapped indices. It has the same shape and tensor type (dense or sparse) as `tensor`.

Last updated November 2, 2017.