

tf.contrib.lookup.index_to_string

```
index_to_string(  
    tensor,  
    mapping,  
    default_value='UNK',  
    name=None  
)
```

Defined in [tensorflow/contrib/lookup/lookup_ops.py](#).

Maps **tensor** of indices into string values 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_to_string_table_from_tensor` and call the `lookup` method of the returned table.

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

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

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

For example:

```
mapping_string = tf.constant(["emerson", "lake", "palmer"])  
indices = tf.constant([1, 5], tf.int64)  
values = tf.contrib.lookup.index_to_string(  
    indices, mapping=mapping_string, default_value="UNKNOWN")  
...  
tf.tables_initializer().run()  
  
values.eval() ==> ["lake", "UNKNOWN"]
```

Args:

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

Returns:

The strings values associated to the indices. The resultant dense feature value tensor has the same shape as the corresponding **indices**.

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