

```
In [2]: 1 import tensorflow as tf
```

C:\Users\WWITHJ\SWAnaconda3\lib\site-packages\Wh5py__init__.py:36: FutureWarning: Conversion of the second argument of issubdtype from `float` to `np.floating` is deprecated. In future, it will be treated as `np.float64 == np.dtype(float).type`.
from ._conv import register_converters as _register_converters

```
In [5]: 1 x = tf.constant([[1, 2, 3], [4, 5, 6]])
2         tf.transpose(x) # [[1, 4]
3                           # [2, 5]
4                           # [3, 6]]
5         y = tf.transpose(x)
```

```
In [4]: 1 sess = tf.Session()
2         sess.run(x)
```

```
Out[4]: array([[1, 2, 3],
              [4, 5, 6]])
```

```
In [6]: 1 sess.run(y)
```

```
Out[6]: array([[1, 4],
              [2, 5],
              [3, 6]])
```

알파벳 리스트와 이를 활용한 인덱스 확인

```
In [9]: 1 char_arr = ['a', 'b', 'c', 'd', 'e', 'f', 'g',
2                  'h', 'i', 'j', 'k', 'l', 'm', 'n',
3                  'o', 'p', 'q', 'r', 's', 't', 'u',
4                  'v', 'w', 'x', 'y', 'z']
```

```
In [10]: 1 num_dic = {n: i for i, n in enumerate(char_arr)}
```

```
In [11]: 1 seq_data = ['word', 'wood', 'deep', 'dive', 'cold', 'cool',  
2                 'load', 'love', 'kiss', 'kind']  
3 seq = 'word'
```

```
In [12]: 1 [num_dic[n] for n in seq[::-1]]
```

```
Out[12]: [22, 14, 17]
```

```
In [13]: 1 num_dic[seq[-1]]
```

```
Out[13]: 3
```

```
In [ ]: 1
```