

## tf.keras.backend.eye

```
eye(  
    size,  
    dtype=None,  
    name=None  
)
```

Defined in [tensorflow/python/keras/\\_impl/keras/backend.py](#).

Instantiate an identity matrix and returns it.

## Arguments:

- `size`: Integer, number of rows/columns.
- `dtype`: String, data type of returned Keras variable.
- `name`: String, name of returned Keras variable.

## Returns:

A Keras variable, an identity matrix.

## Example:

```
>>> from keras import backend as K  
>>> kvar = K.eye(3)  
>>> K.eval(kvar)  
array([[ 1.,  0.,  0.],  
       [ 0.,  1.,  0.],  
       [ 0.,  0.,  1.]], dtype=float32)
```

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