tf.keras.backend.placeholder

```
placeholder(
    shape=None,
    ndim=None,
    dtype=None,
    sparse=False,
    name=None
)
```

Defined in `tensorflow/python/keras/_impl/keras/backend.py` .

Instantiates a placeholder tensor and returns it.

Arguments:

- `shape` : Shape of the placeholder (integer tuple, may include `None` entries).
- `ndim` : Number of axes of the tensor. At least one of { `shape` , `ndim` } must be specified. If both are specified, `shape` is used.
- `dtype` : Placeholder type.
- `sparse` : Boolean, whether the placeholder should have a sparse type.
- `name` : Optional name string for the placeholder.

Returns:

```
Tensor instance (with Keras metadata included).
```

Examples:

```
>>> from keras import backend as K
>>> input_ph = K.placeholder(shape=(2, 4, 5))
>>> input_ph
<tf.Tensor 'Placeholder_4:0' shape=(2, 4, 5) dtype=float32>
```

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