tf.contrib.layers.repeat

```
repeat(
    inputs,
    repetitions,
    layer,
    *args,
    **kwargs
)
```

Defined in **tensorflow/contrib/layers/python/layers/layers.py** .

See the guide: Layers (contrib) > Higher level ops for building neural network layers

Applies the same layer with the same arguments repeatedly.

```
y = repeat(x, 3, conv2d, 64, [3, 3], scope='conv1')
# It is equivalent to:

x = conv2d(x, 64, [3, 3], scope='conv1/conv1_1')
x = conv2d(x, 64, [3, 3], scope='conv1/conv1_2')
y = conv2d(x, 64, [3, 3], scope='conv1/conv1_3')
```

If the `scope` argument is not given in `kwargs` , it is set to `layer.__name__` , or `layer.func.__name__` (for `functools.partial` objects). If neither `__name__` nor `func.__name__` is available, the layers are called with `scope='stack'` .

Args:

- `inputs` : A `Tensor` suitable for layer.
- `repetitions` : Int, number of repetitions.
- `layer` : A layer with arguments `(inputs, *args, **kwargs)`
- `*args` : Extra args for the layer.
- `**kwargs` : Extra kwargs for the layer.

Returns:

A tensor result of applying the layer, repetitions times.

Raises:

- `ValueError` : If the op is unknown or wrong.

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English