

tf.keras.backend.conv1d

```
conv1d(  
    x,  
    kernel,  
    strides=1,  
    padding='valid',  
    data_format=None,  
    dilation_rate=1  
)
```

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

1D convolution.

Arguments:

- `x`: Tensor or variable.
- `kernel`: kernel tensor.
- `strides`: stride integer.
- `padding`: string, `"same"`, `"causal"` or `"valid"`.
- `data_format`: string, one of `"channels_last"`, `"channels_first"`.
- `dilation_rate`: integer dilate rate.

Returns:

A tensor, result of 1D convolution.

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