tf.nn.bias_add

```
bias_add(
    value,
    bias,
    data_format=None,
    name=None
)
```

Defined in `tensorflow/python/ops/nn_ops.py`.

See the guide: Neural Network > Activation Functions

Adds `bias` to `value`.

This is (mostly) a special case of `tf.add` where `bias` is restricted to 1-D. Broadcasting is supported, so `value` may have any number of dimensions. Unlike `tf.add`, the type of `bias` is allowed to differ from `value` in the case where both types are quantized.

Args:

- `value`: A `Tensor` with type `float`, `double`, `int64`, `int32`, `uint8`, `int16`, `int8`, `complex64`, or `complex128`.
- `bias`: A 1-D `Tensor` with size matching the last dimension of `value`. Must be the same type as `value` unless `value` is a quantized type, in which case a different quantized type may be used.
- `data_format`: A string. 'NHWC' and 'NCHW' are supported.
- `name`: A name for the operation (optional).

Returns:

A `Tensor` with the same type as `value`.

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