tf.nn.log_softmax

```
log_softmax(
    logits,
    dim=-1,
    name=None
)
```

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

See the guide: Neural Network > Classification

Computes log softmax activations.

For each batch `i` and class `j` we have

```
logsoftmax = logits - log(reduce_sum(exp(logits), dim))
```

Args:

- `logits`: A non-empty `Tensor`. Must be one of the following types: `half`, `float32`, `float64`.
- `dim`: The dimension softmax would be performed on. The default is -1 which indicates the last dimension.
- `name`: A name for the operation (optional).

Returns:

A `Tensor`. Has the same type as `logits`. Same shape as `logits`.

Raises:

- `InvalidArgumentError`: if `logits` is empty or `dim` is beyond the last dimension of `logits`.

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