tf.invert_permutation

```
invert_permutation(
    x,
    name=None
)
```

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

See the guide: Math > Sequence Comparison and Indexing

Computes the inverse permutation of a tensor.

This operation computes the inverse of an index permutation. It takes a 1-D integer tensor `x`, which represents the indices of a zero-based array, and swaps each value with its index position. In other words, for an output tensor `y` and an input tensor `x`, this operation computes the following:

`y[x[i]] = i for i in [0, 1, ..., len(x) - 1]`

The values must include 0. There can be no duplicate values or negative values.

For example:

```
# tensor `x` is [3, 4, 0, 2, 1]
invert_permutation(x) ==> [2, 4, 3, 0, 1]
```

Args:

- `x`: A `Tensor`. Must be one of the following types: `int32`, `int64`. 1-D.
- `name`: A name for the operation (optional).

Returns:

A `Tensor`. Has the same type as `x`. 1-D.

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