tf.segment_prod

```
segment_prod(
    data,
    segment_ids,
    name=None
)
```

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

See the guide: Math > Segmentation
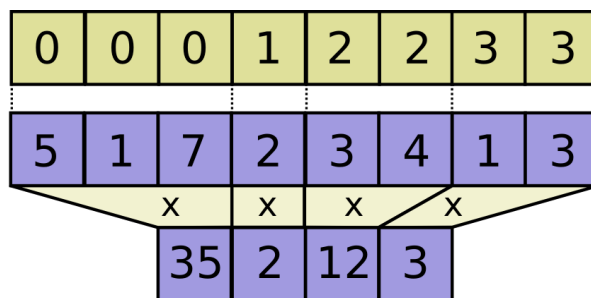
Computes the product along segments of a tensor.

Read the section on segmentation for an explanation of segments.

Computes a tensor such that $output_i = \prod_j data_j$ where the product is over j such that `segment_ids[j] == i`.

If the product is empty for a given segment ID `i`, `output[i] = 1`.

Args:

- `data` : A `Tensor` . Must be one of the following types: `float32` , `float64` , `int64` , `int32` , `uint8` , `uint16` , `int16` , `int8` , `complex64` , `complex128` , `qint8` , `quint8` , `qint32` , `half` .
- `segment_ids` : A `Tensor` . Must be one of the following types: `int32` , `int64` . A 1-D tensor whose rank is equal to the rank of `data` 's first dimension. Values should be sorted and can be repeated.
- `name` : A name for the operation (optional).

Returns:

A `Tensor` . Has the same type as `data` . Has same shape as data, except for dimension 0 which has size `k` , the number of segments.

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