

## tf.contrib.quantize.create\_training\_graph

```
create_training_graph(  
    input_graph,  
    elements=None  
)
```

Defined in [tensorflow/contrib/quantize/python/quantize\\_graph.py](#).

Returns a transformed training input\_graph for simulated quantization.

The forward pass has fake quantization ops inserted to simulate the error introduced by quantization.

### Args:

- `input_graph`: The tf.Graph to be transformed.
- `elements`: (Optional) List of Tensors and Operations in input\_graph whose corresponding elements in the new graph will be returned.

### Returns:

Returns a tuple(g, l) where: g is new tf.Graph that is rewritten for simulated quantization. l is a list of Tensors/Operations in g corresponding to the provided input elements.

### Raises:

- `ValueError`: If elements contains an element that isn't a tf.Tensor or tf.Operation.

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