tf.Assert

```
Assert(
    condition,
    data,
    summarize=None,
    name=None
)
```

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

See the guide: Control Flow > Debugging Operations

Asserts that the given condition is true.

If `condition` evaluates to false, print the list of tensors in `data`. `summarize` determines how many entries of the tensors to print.

NOTE: To ensure that Assert executes, one usually attaches a dependency:

```
# Ensure maximum element of x is smaller or equal to 1
assert_op = tf.Assert(tf.less_equal(tf.reduce_max(x), 1.), [x])
with tf.control_dependencies([assert_op]):
  ... code using x ...
```

Args:

- `condition`: The condition to evaluate.
- `data`: The tensors to print out when condition is false.
- `summarize`: Print this many entries of each tensor.
- `name`: A name for this operation (optional).

Returns:

- `assert_op`: An `Operation` that, when executed, raises a `tf.errors.InvalidArgumentError` if `condition` is not true.

NOTE The output of this function should be used. If it is not, a warning will be logged. To mark the output as used, call its .mark_used() method.

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