tf.train.summary_iterator

```
summary_iterator(path)
```

Defined in `tensorflow/python/summary/summary_iterator.py`.

See the guide: Training > Reading Summaries from Event Files

An iterator for reading `Event` protocol buffers from an event file.

You can use this function to read events written to an event file. It returns a Python iterator that yields `Event` protocol buffers.

Example: Print the contents of an events file.

```
for e in tf.train.summary_iterator(path to events file):
    print(e)
```

Example: Print selected summary values.

```
# This example supposes that the events file contains summaries with a
# summary value tag 'loss'.  These could have been added by calling
# `add_summary()`, passing the output of a scalar summary op created with
# with: `tf.summary.scalar('loss', loss_tensor)`.
for e in tf.train.summary_iterator(path to events file):
    for v in e.summary.value:
        if v.tag == 'loss':
            print(v.simple_value)
```

See the protocol buffer definitions of Event and Summary for more information about their attributes.

Args:

- `path`: The path to an event file created by a `SummaryWriter`.

Yields:

`Event` protocol buffers.

Last updated November 2, 2017.