In [1]:
```
from __future__ import absolute_import, division, print_function

%matplotlib inline
import os
import matplotlib.pyplot as plt

import tensorflow as tf
import tensorflow.contrib.eager as tfe

tf.enable_eager_execution()

print("TensorFlow version: {}".format(tf.VERSION))
print("Eager execution: {}".format(tf.executing_eagerly()))
```

```
C:\Users\USER\Anaconda3\lib\site-packages\h5py\__init__.py:34: FutureWa
rning: Conversion of the second argument of issubdtype from `float` to
`np.floating` is deprecated. In future, it will be treated as `np.float
64 == np.dtype(float).type`.
  from ._conv import register_converters as _register_converters
```

```
TensorFlow version: 1.8.0
Eager execution: True
```

In [12]:
```
# Download files
train_dataset_url = "http://incident.ipnxnigeria.net/media/hk_training.cs

train_dataset_fp = tf.keras.utils.get_file(fname=os.path.basename(train_d

print("Local copy of the dataset file: {}".format(train_dataset_fp))
```

```
Local copy of the dataset file: C:\Users\USER\.keras\datasets\hk_traini
ng.csv
```

In [16]:
```
def parse_csv(line):
    example_defaults = [[0.], [0.], [0.], [0.], [0.], [0]]  # sets field
    parsed_line = tf.decode_csv(line, example_defaults)
    # First 4 fields are features, combine into single tensor
    features = tf.reshape(parsed_line[:-1], shape=(5,))
    # Last field is the label
    label = tf.reshape(parsed_line[-1], shape=())
    return features, label
```