



```
weights = tf.Variable(tf.random_normal([n_input, n_classes]))  
bias = tf.Variable(tf.random_normal([n_classes]))
```

### Question 1

Calculate the memory size of `train_features`, `train_labels`, `weights`, and `bias` in bytes. Ignore memory for overhead, just calculate the memory required for the stored data.

You may have to look up how much memory a float32 requires, using [this link](#).

*train\_features Shape: (55000, 784) Type: float32*

*train\_labels Shape: (55000, 10) Type: float32*

*weights Shape: (784, 10) Type: float32*

*bias Shape: (10,) Type: float32*

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