In [1]:

```
!pip install tensorflowjs
```

Collecting tensorflowjs
  Downloading https://files.pythonhosted.org/packages/a7/73/f7ee6edced
75b7dfe43916203f1b2e85dd14cba087a090e6372cbd82e462/tensorflowjs-1.4.0-
py3-none-any.whl (https://files.pythonhosted.org/packages/a7/73/f7ee6e
dced75b7dfe43916203f1b2e85dd14cba087a090e6372cbd82e462/tensorflowjs-1.
4.0-py3-none-any.whl) (56kB)
    |████████████████████████████████| 61kB 4.2MB/s eta 0:00:011
Requirement already satisfied: gast==0.2.2 in /Users/chichunngm19a/ana
conda3/lib/python3.7/site-packages (from tensorflowjs) (0.2.2)
Collecting h5py==2.8.0 (from tensorflowjs)
  Downloading https://files.pythonhosted.org/packages/2a/13/d3fb885ff8
77578e0fddd8c71e1ed9e22207cec8469c0ef1e483ab5ca0d3/h5py-2.8.0-cp37-cp3
7m-macosx_10_6_intel.macosx_10_9_intel.macosx_10_9_x86_64.macosx_10_10
_intel.macosx_10_10_x86_64.whl (https://files.pythonhosted.org/package
s/2a/13/d3fb885ff877578e0fddd8c71e1ed9e22207cec8469c0ef1e483ab5ca0d3/h
5py-2.8.0-cp37-cp37m-macosx_10_6_intel.macosx_10_9_intel.macosx_10_9_x
86_64.macosx_10_10_intel.macosx_10_10_x86_64.whl) (6.0MB)
    |████████████████████████████████| 6.1MB 3.1MB/s eta 0:00:01
Collecting six==1.11.0 (from tensorflowjs)

In [3]:

```
import numpy as np
import tensorflow as tf

print('\u2022 Using TensorFlow Version:', tf.__version__)
```

• Using TensorFlow Version: 1.15.0

In [4]:

```python
model = tf.keras.models.Sequential([
        tf.keras.layers.Dense(units=1, input_shape=[1])
])

model.compile(optimizer='sgd', loss='mean_squared_error')

xs = np.array([-1.0,  0.0, 1.0, 2.0, 3.0, 4.0], dtype=float)
ys = np.array([-3.0, -1.0, 1.0, 3.0, 5.0, 7.0], dtype=float)

model.fit(xs, ys, epochs=500)
```

```
-05
Epoch 485/500
6/6 [==============================] - 0s 109us/sample - loss: 6.4459e
-05
Epoch 486/500
6/6 [==============================] - 0s 132us/sample - loss: 6.3135e
-05
Epoch 487/500
6/6 [==============================] - 0s 109us/sample - loss: 6.1838e
-05
Epoch 488/500
6/6 [==============================] - 0s 108us/sample - loss: 6.0569e
-05
Epoch 489/500
6/6 [==============================] - 0s 111us/sample - loss: 5.9325e
-05
Epoch 490/500
6/6 [==============================] - 0s 172us/sample - loss: 5.8105e
-05
Epoch 491/500
```

In [5]:

```python
print(model.predict([10.0]))
```

```
[[18.979952]]
```

In [6]:

```python
import time
saved_model_path = "./{}.h5".format(int(time.time()))

model.save(saved_model_path)
```

In [7]:

```python
!tensorflowjs_converter --input_format=keras {saved_model_path} ./
```

```
/bin/sh: tensorflowjs_converter: command not found
```

In [ ]: