```
Python 3.5.4 |Anaconda, Inc.| (default, Oct 13 2017, 11:22:58)
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IPython 6.1.0 -- An enhanced Interactive Python.

In [1]: runfile('/home/shubham/Dropbox/COURSES/EEN-583 MACHINE LEARNING
TUTORIALS/14115118_SHUBHAM_KUMAR_SVM_SMO/exp1_svm_smo_testing_linear_kenrel_linearly_separable_data.py',
 wdir='/home/shubham/Dropbox/COURSES/EEN-583 MACHINE LEARNING
TUTORIALS/14115118_SHUBHAM_KUMAR_SVM_SMO')
----14115118-Shubham-Kumar-EE-IVth Yr----
Training SVM Using SMO on synthetic data.
Training Data Plot: Red = + 1 / Blue = - 1
```
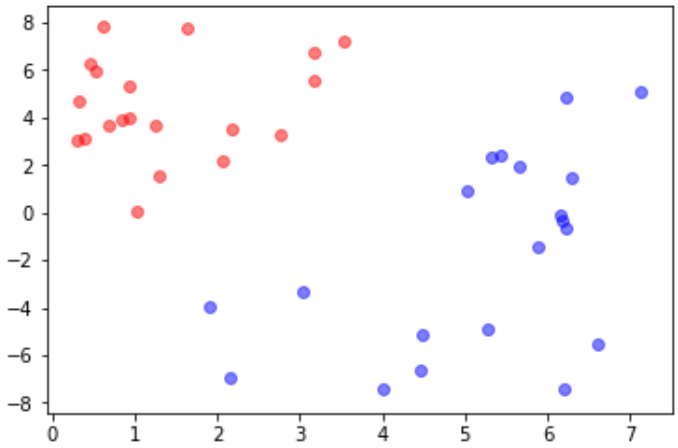
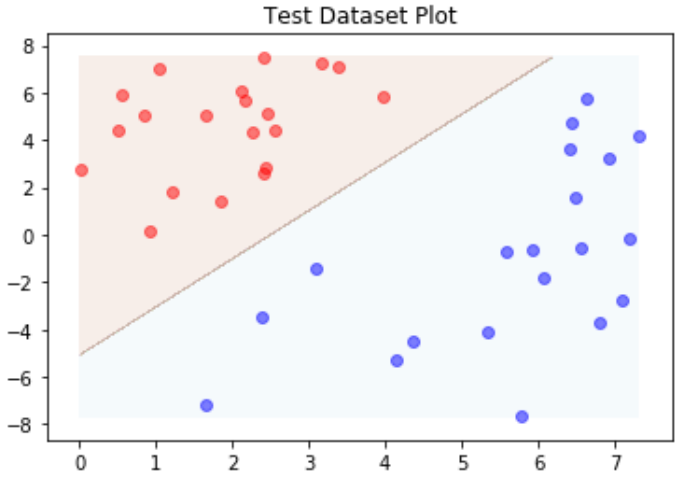




```
Initial Wts: [0. 0.]
Initial Bias: 0


Press Enter to Start training...
step=5
step=10
step=15
step=20
step=25
step=30
step=35
==========Training over=======
Wts after training: [-0.74626595  0.36654544]
Bias after training: -1.86616056179199


Press Enter to Start prediction...

Training Scores..
({'FP': 0.0, 'TP': 20.0, 'FN': 0.0, 'TN': 20.0}, {'PPV': 100.0, 'NPV': 100.0, 'TPR': 100.0, 'TNR':
100.0})

Test Scores..
({'FP': 0.0, 'TP': 20.0, 'FN': 0.0, 'TN': 20.0}, {'PPV': 100.0, 'NPV': 100.0, 'TPR': 100.0, 'TNR':
100.0})
Training Data Plot
```


```
Testing Data Plot
```



In [2]: