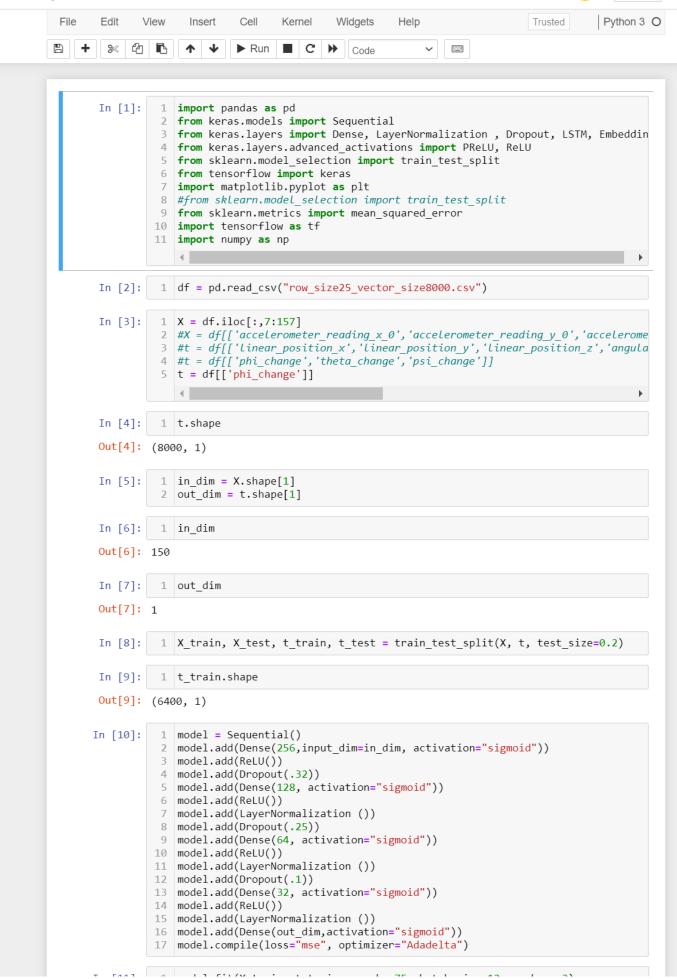


Logout



```
In [11]: | 1 | mode1.flt(X_train, t_train, epocns=/>, batcn_size=12, verbose=2)
           Epoch 67/75
           534/534 - 1s - loss: 7.4562e-05
           Epoch 68/75
           534/534 - 1s - loss: 8.8788e-05
           Epoch 69/75
           534/534 - 1s - loss: 8.4350e-05
           Epoch 70/75
           534/534 - 1s - loss: 1.0945e-04
           Epoch 71/75
           534/534 - 1s - loss: 6.3292e-05
           Epoch 72/75
           534/534 - 1s - loss: 6.2345e-05
           Epoch 73/75
           534/534 - 1s - loss: 9.7768e-05
           Epoch 74/75
           534/534 - 1s - loss: 6.3890e-05
           Epoch 75/75
           534/534 - 1s - loss: 7.7618e-05
Out[11]: <tensorflow.python.keras.callbacks.History at 0x28dd281b5b0>
In [12]:
            1 ypred = model.predict(X_test)
               print("y1 MSE: ", mean_squared_error(t_test.iloc[:, 0], ypred[:,0]))
#print("y2 MSE: ", mean_squared_error(t_test.iloc[:, 1], ypred[:,1])
            #print("y2 MSE: ", mean_squared_error(t_test.iloc[:, 1], ypred[:,1]))
#print("y3 MSE: ", mean_squared_error(t_test.iloc[:, 2], ypred[:,2]))
          y1 MSE: 3.271009979756149e-06
In [13]:
            1 x_ax = range(len(X_test))
               plt.scatter(x_ax, t_test.iloc[:, 0], s=6, label="y1-test")
plt.scatter(x_ax, ypred[:,0], label="y1-pred",c="red",alpha = 0.1)
            6 plt.legend()
               plt.show()
             0.010
                                                              y1-test
                                                              y1-pred
             0.005
             0.000
            -0.005
            -0.010
            -0.015
                                               1000 1200 1400 1600
                                     600
                                          800
                    0
                         200
                               400
In [14]:
            1 x_ax = range(len(X_test))
            3 y_test_index = np.argsort(t_test.iloc[:, 0], axis=0).to_numpy()
            5 f = plt.figure()
               plt.scatter(x_ax, t_test.iloc[y_test_index], s=6, label="y_test")
               plt.scatter(x_ax, ypred[y_test_index], s=6, label="pred",c="orange", alpha=0
            8 #plt.ylim(t_test.iloc[y_test_index[0]].to_numpy()[0])
            9 plt.legend()
            10 plt.show()
           11
           12 f.savefig("foo.pdf", bbox_inches='tight')
             0.010
             0.005
             0.000
```

	-0.005 - *
In [ ]:	1
In [ ]:	1