

1. 預先下載課程資料集與 code

[https://github.com/chihfanhsu/dnn\\_hand\\_by\\_hand/tree/master/code/](https://github.com/chihfanhsu/dnn_hand_by_hand/tree/master/code/)

[https://mmnet.iis.sinica.edu.tw/~chihfan/dnn\\_hand\\_by\\_hand/cifar\\_10.zip](https://mmnet.iis.sinica.edu.tw/~chihfan/dnn_hand_by_hand/cifar_10.zip)

2. 請先試跑看看 `checkblas.py` 如果成功會如同以下輸出，如果不成功請安裝 OpenBLAS，下載網址：

[https://mmnet.iis.sinica.edu.tw/~chihfan/dnn\\_hand\\_by\\_hand/code.zip](https://mmnet.iis.sinica.edu.tw/~chihfan/dnn_hand_by_hand/code.zip)

```
We executed 10 calls to gemm with a and b matrices of shapes (5000, 5000) and (5000, 5000).
Total execution time: 20.22s on CPU (with direct Theano binding to blas).
Try to run this script a few times. Experience shows that the first time is not as fast as followings calls. The difference is not big, but consistent.
(C:\Program Files\Anaconda2) C:\>
```