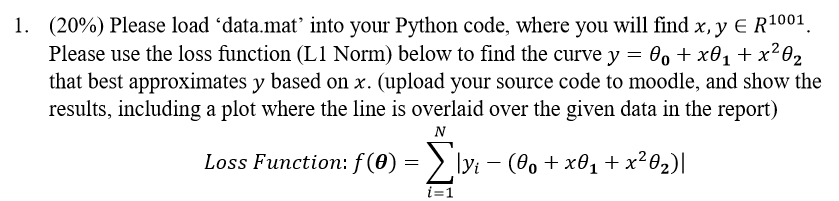
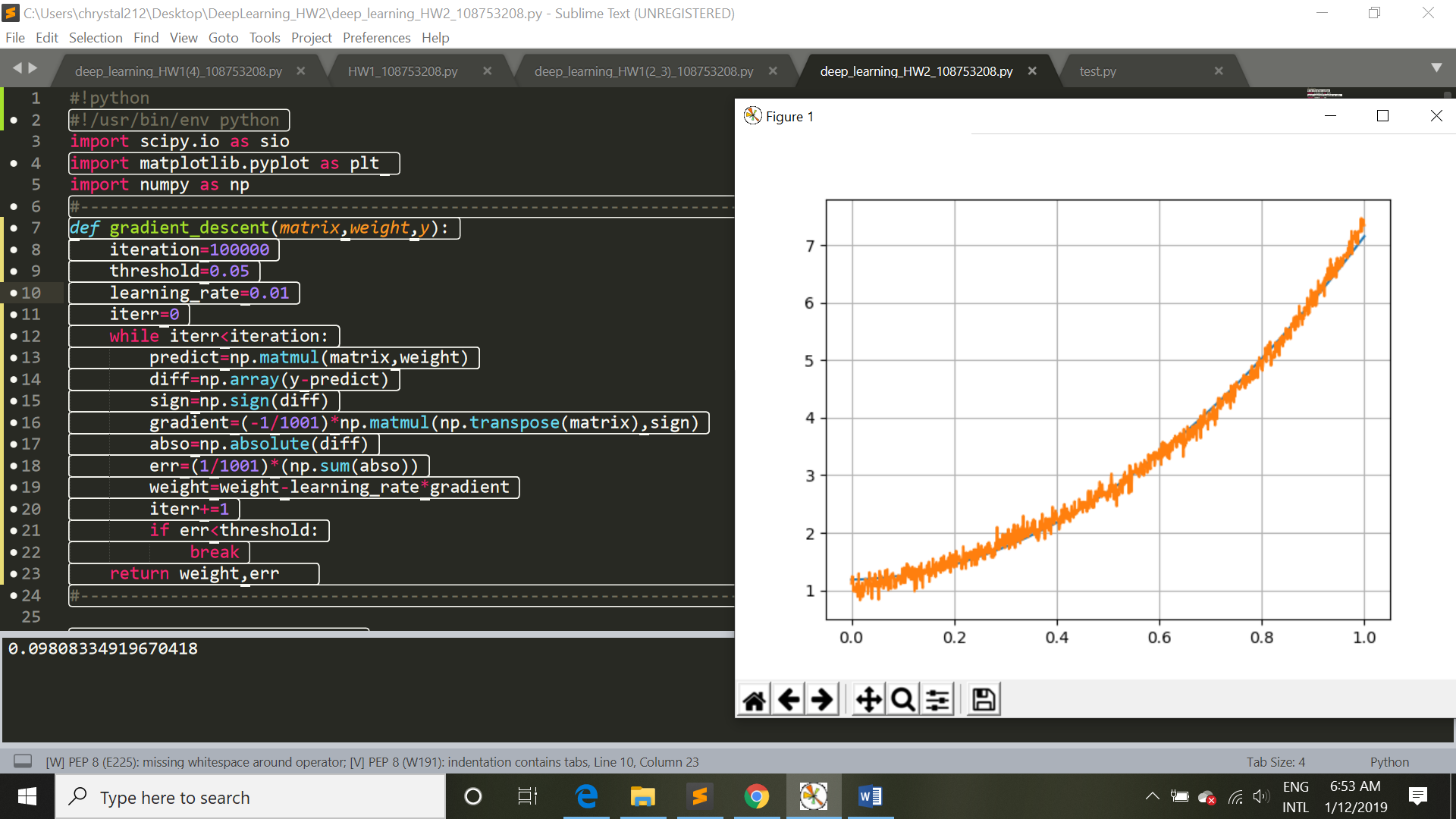
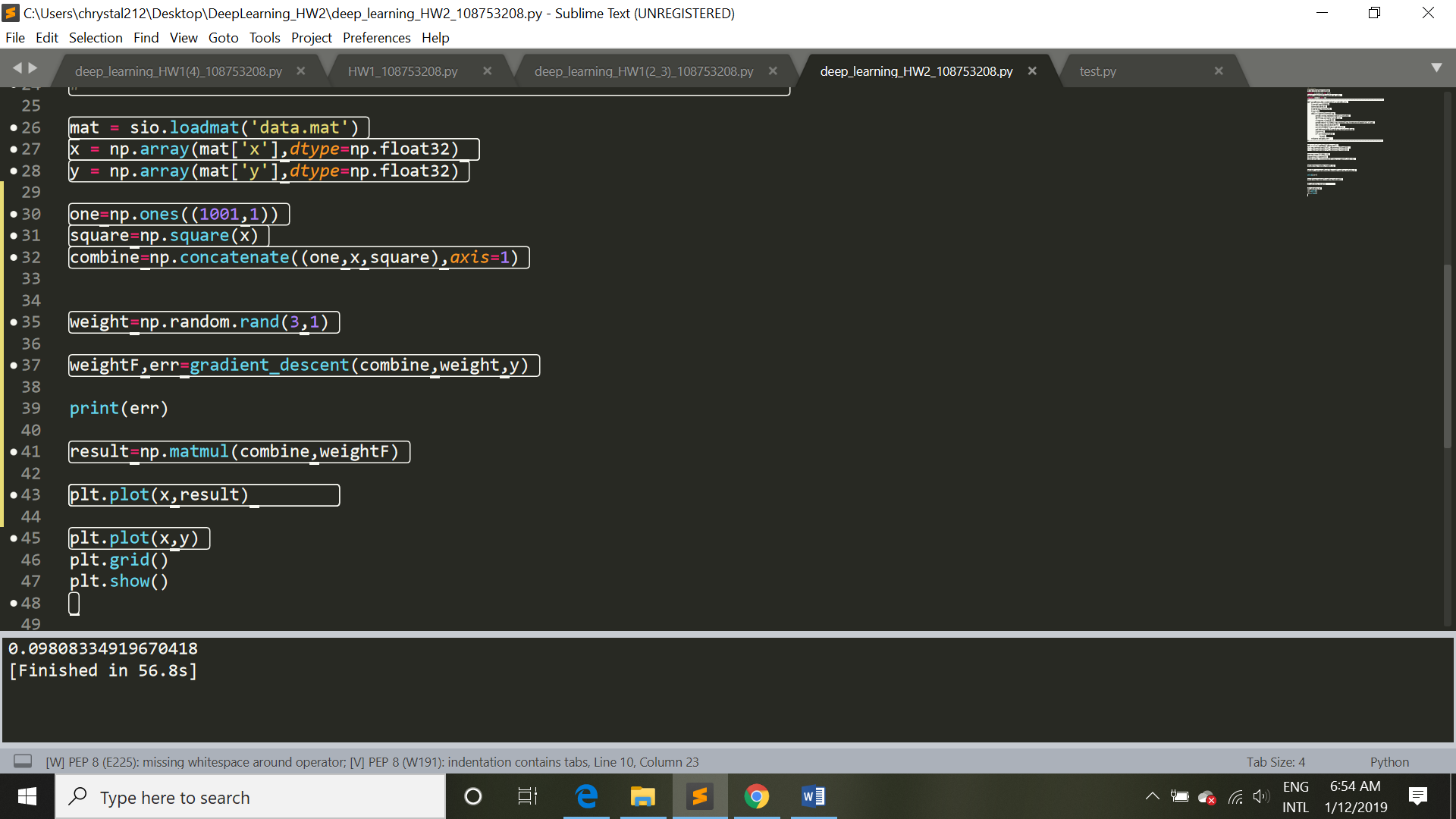
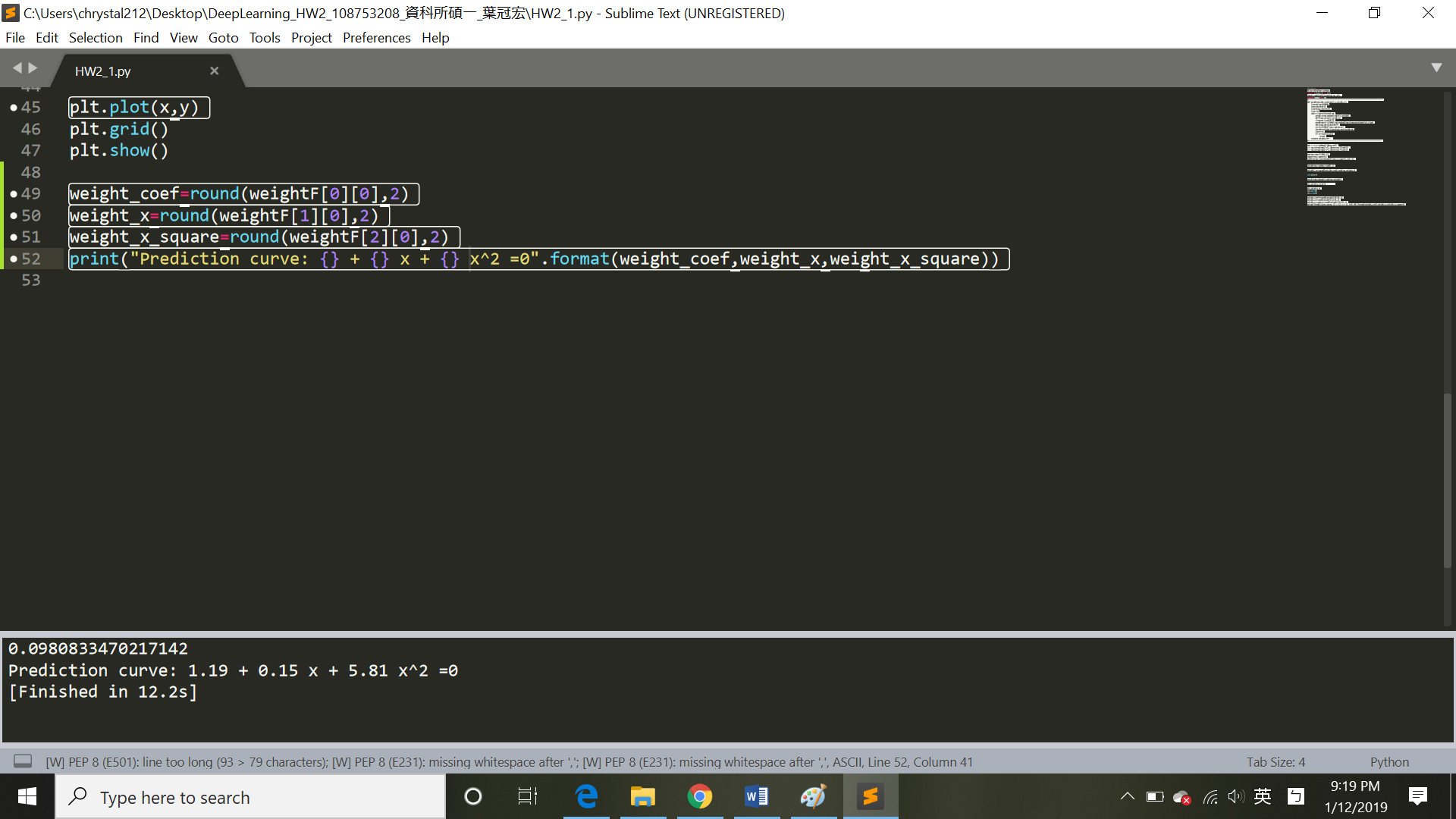
1.



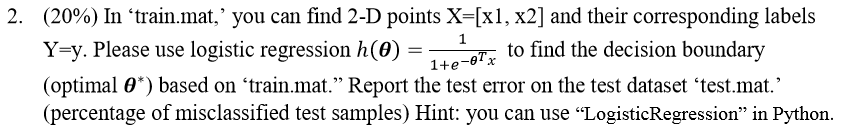


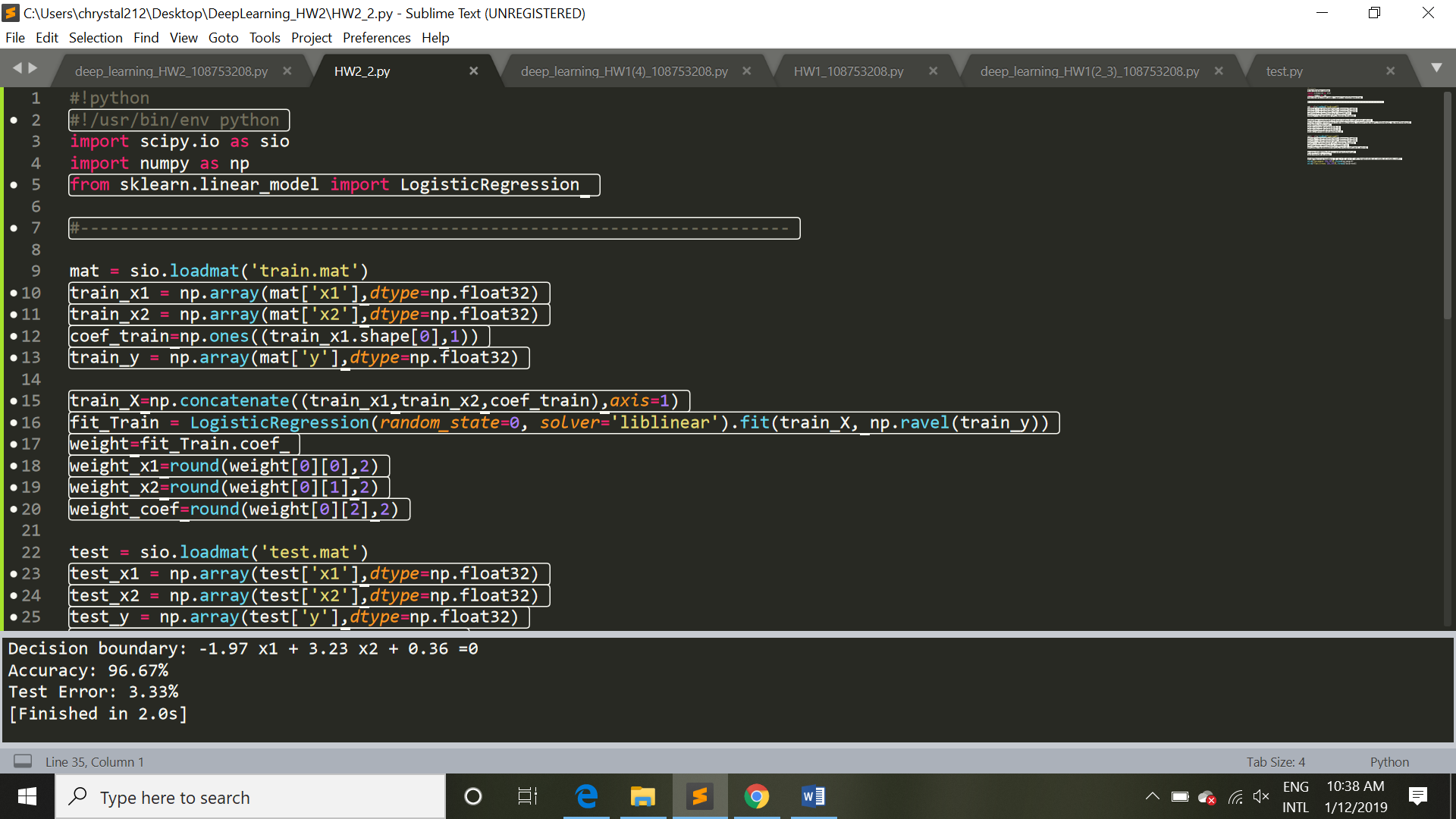


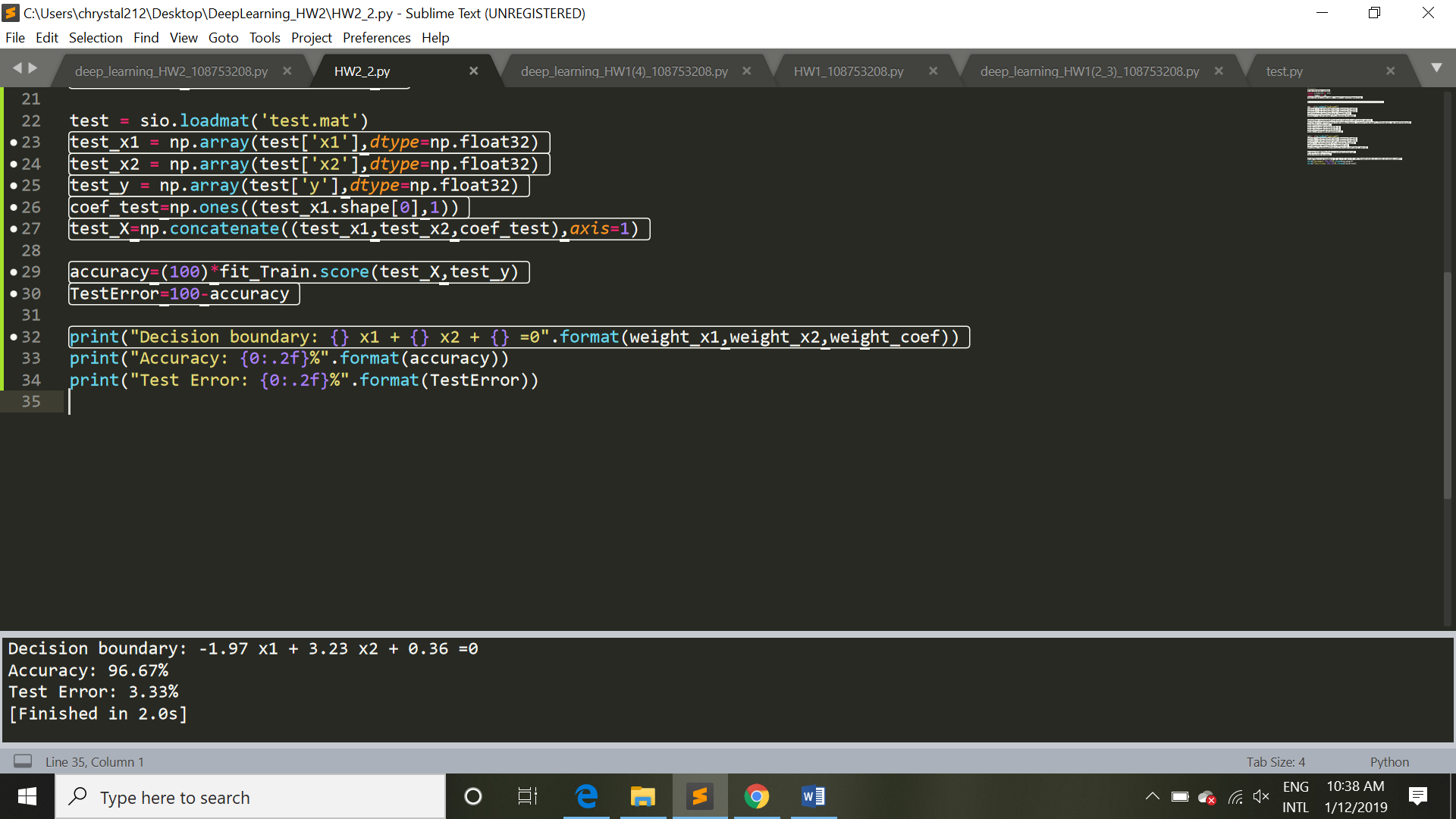
Prediction curve:



2.



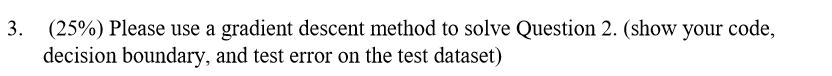


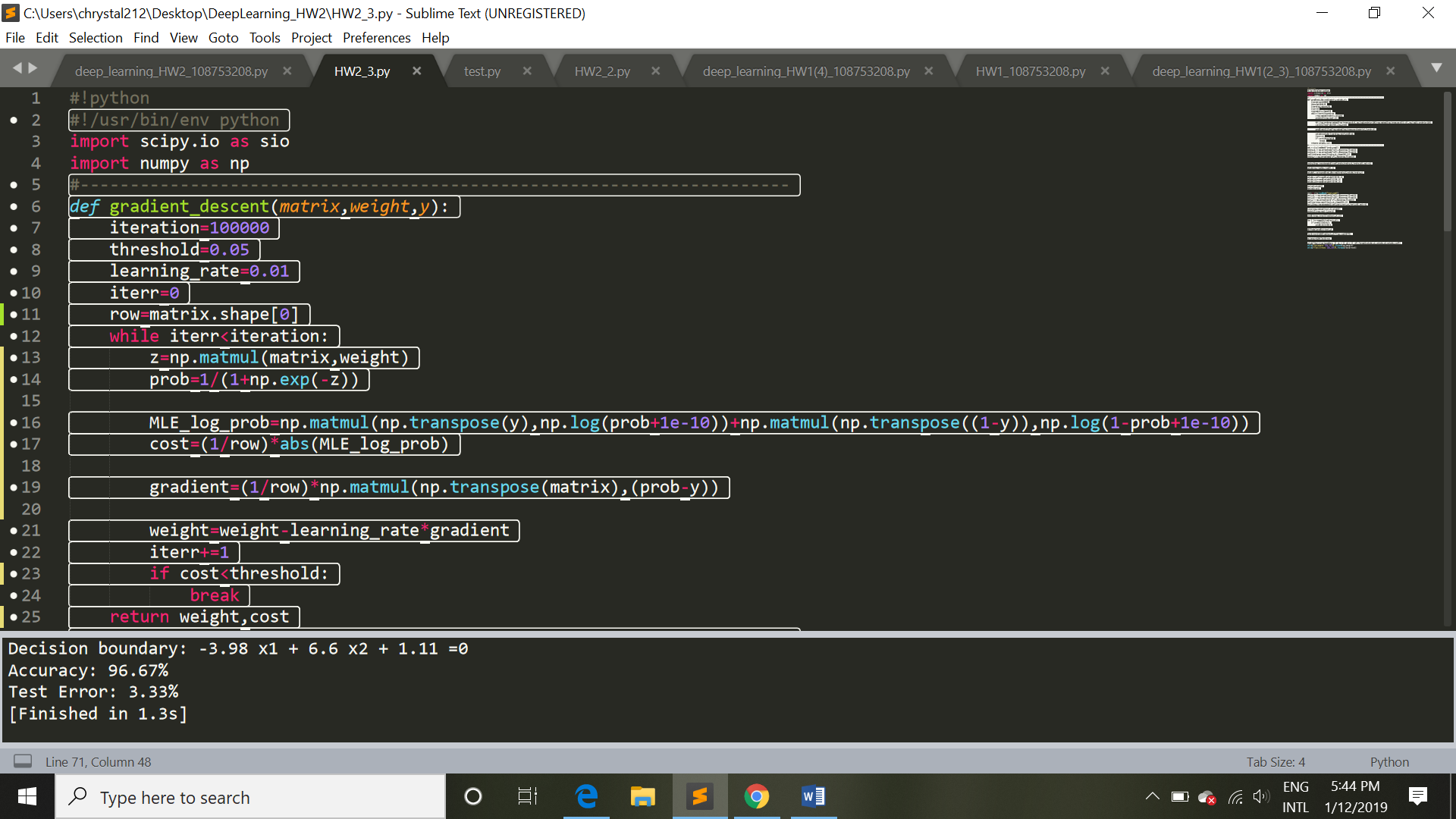


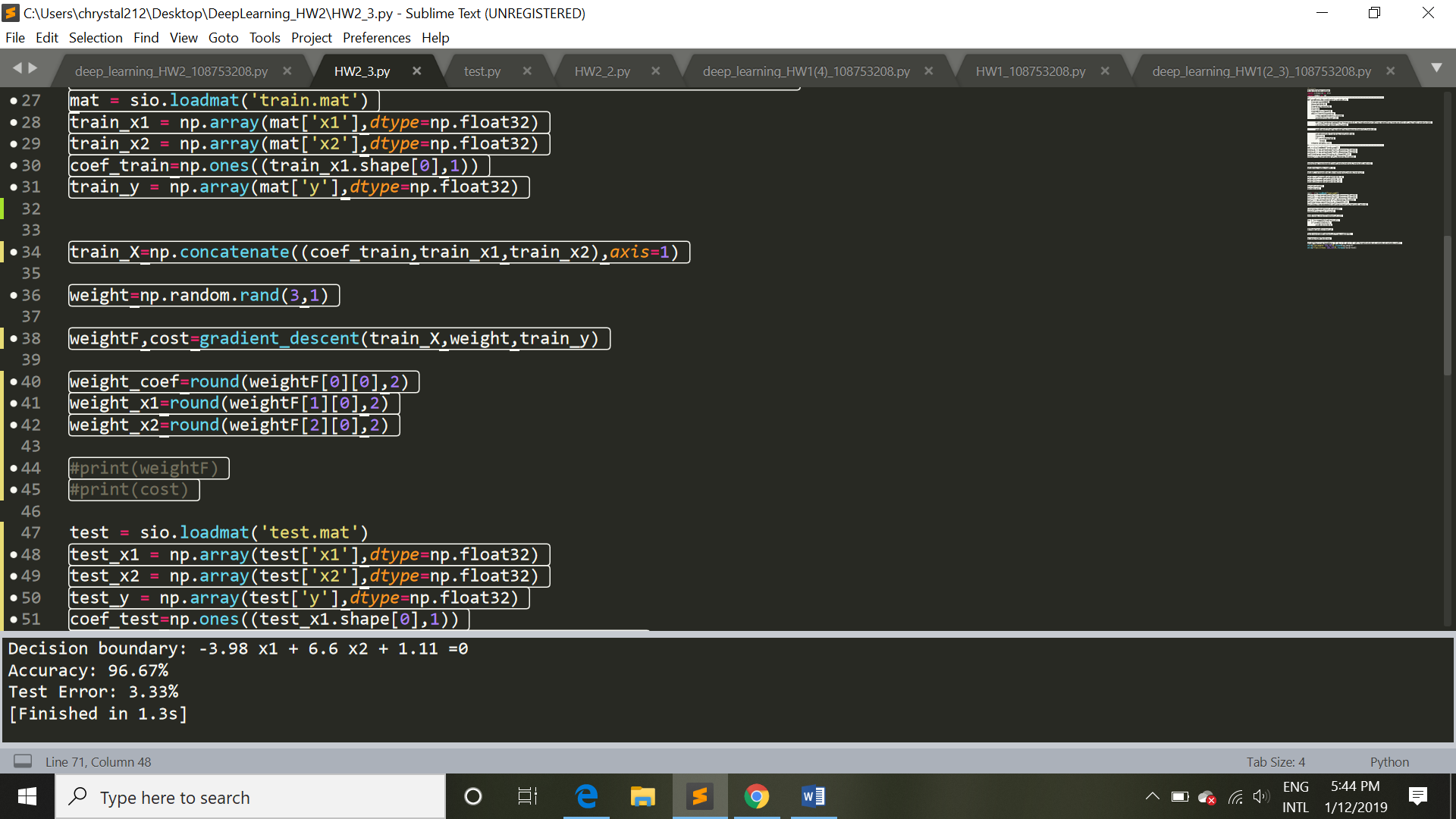
Decision Boundary: -1.97 x1 + 3.23 x2 + 0.36 =0

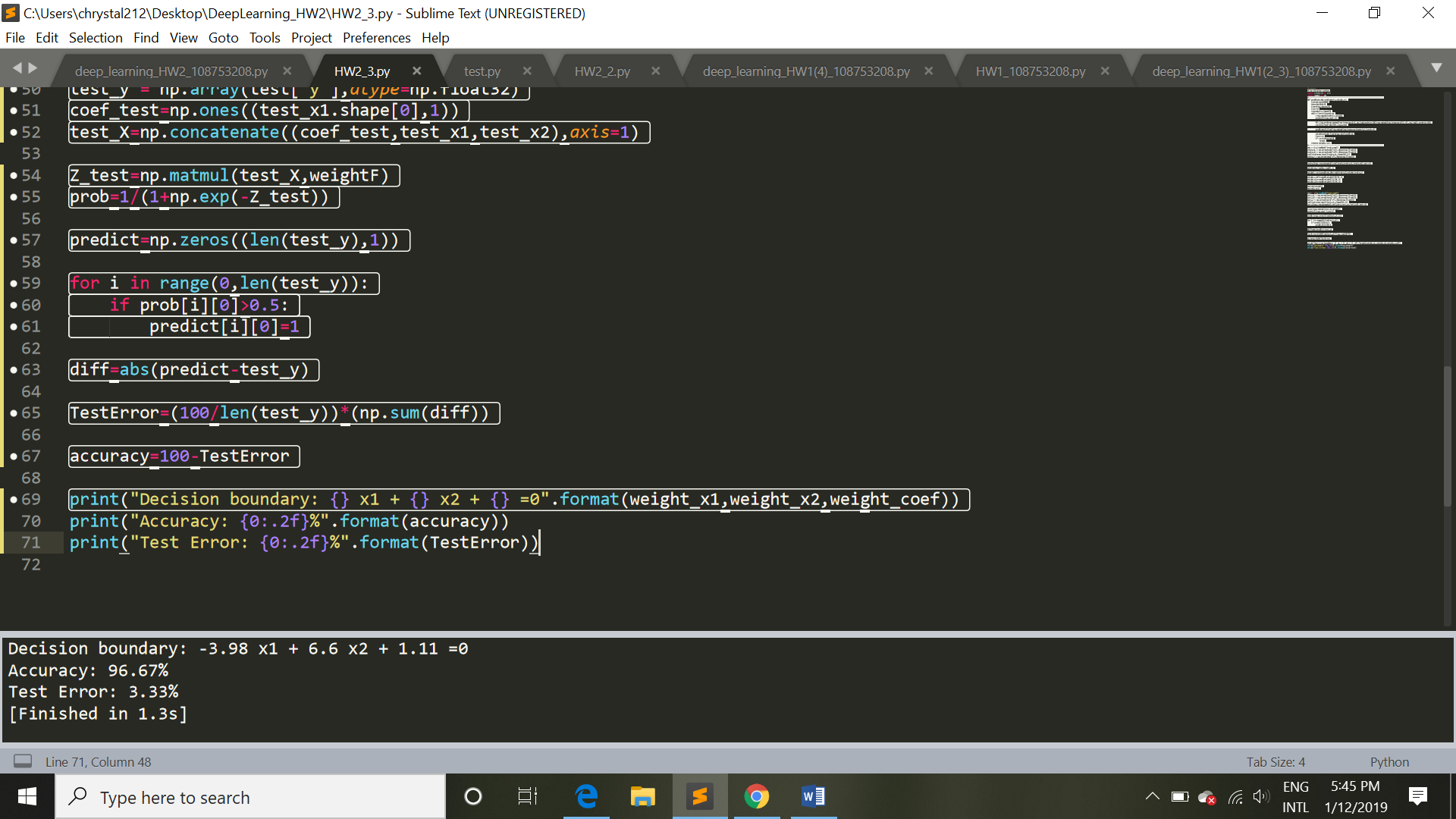
Test Error: 3.33%

3.







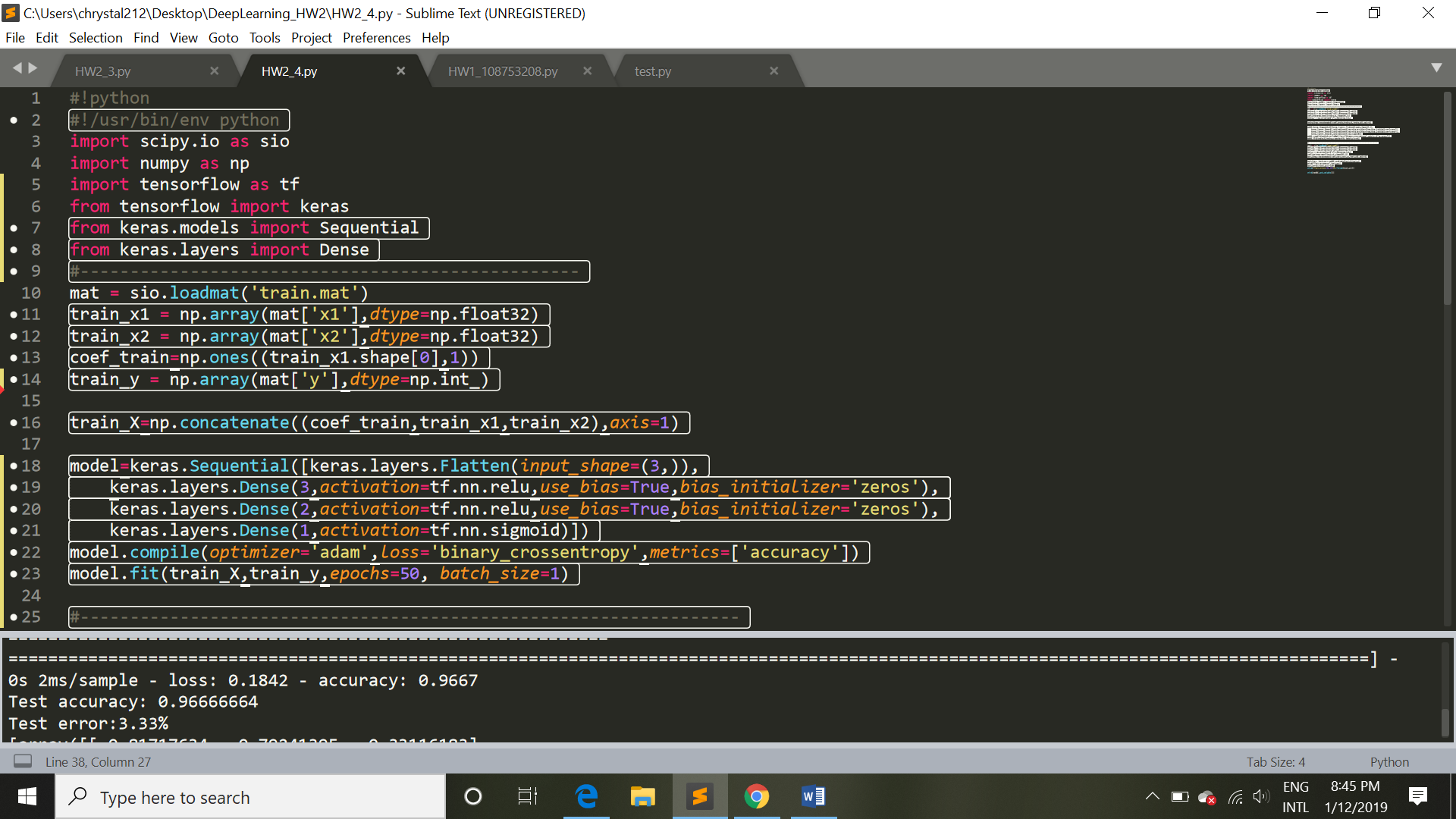


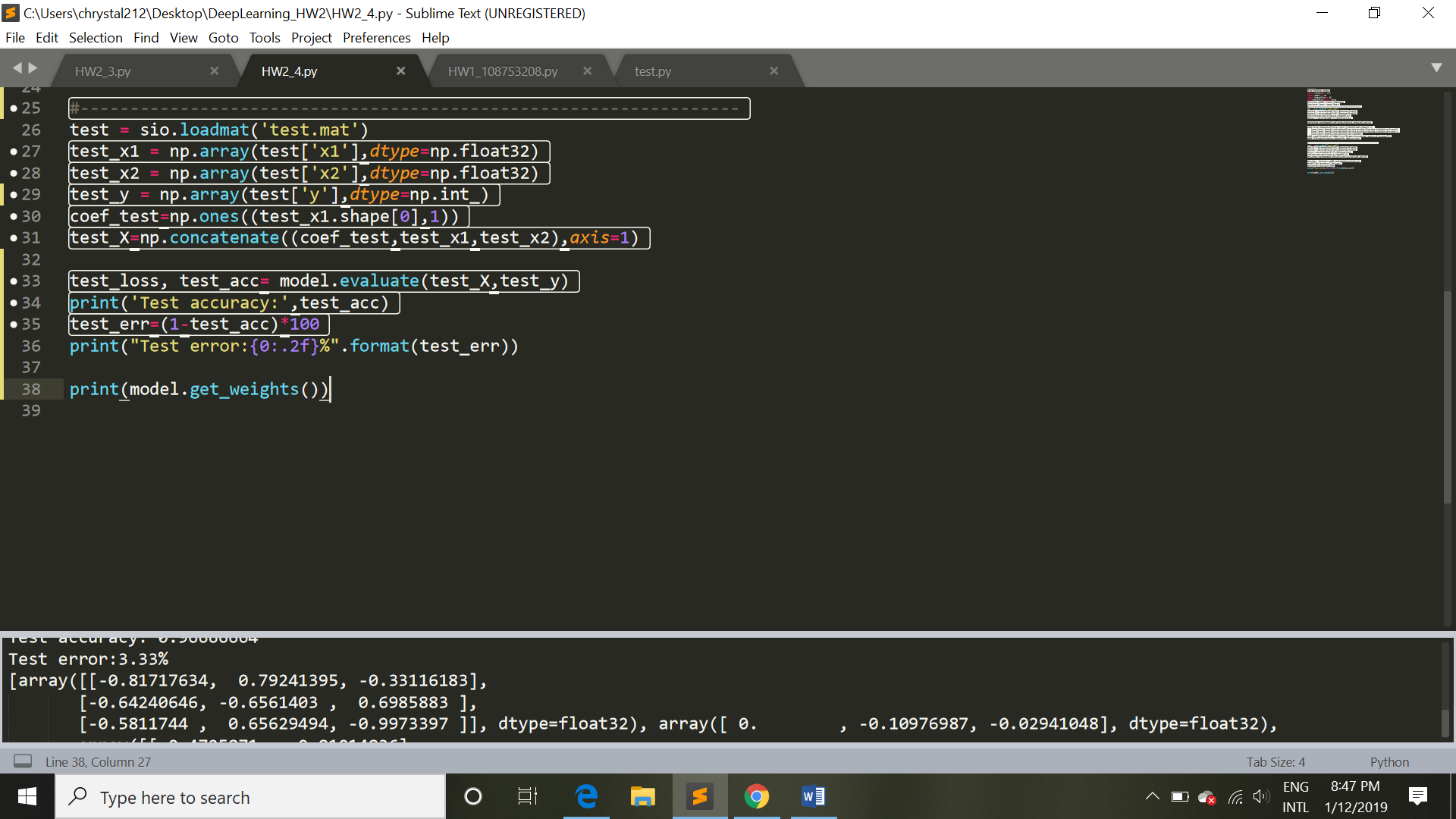
Decision Boundary: -3.98 x1 + 6.6 x2 + 1.11 =0

Test Error: 3.33%

4.

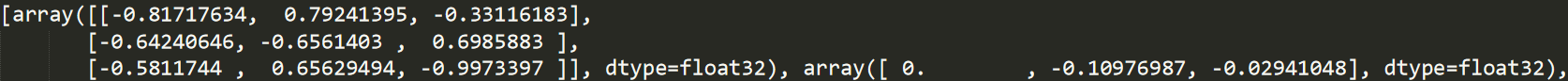






Test error:3.33%

Input Layer to Hidden Layer1 weights:



Hidden Layer1 to Hidden Layer2 weights 和 Hidden Layer2 to Output Layer:



其中Hidden Layer2 to Output Layer 的activation function 為 sigmoid。其 weight 及bias可當最後一層的Decision Boundary。