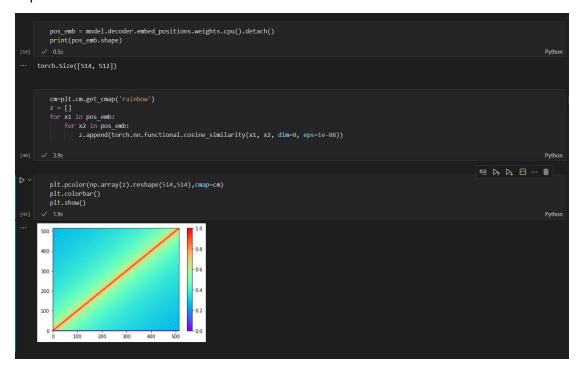
Problem 1 Visualize the similarity between different pairs of positional embedding and briefly explain the result.



Positional encoding 的用途是 encode position 的資訊,所以 position 比較近的 embedding 的 similarity 會比較高,反之比較遠則比較小,所以可以看到圖中對 角線的 similarity 為 $\mathbf{1}$ 。

Problem 2
Clip gradient norm and visualize the changes of gradient norm in different steps.
Circle two places with gradient explosion.

