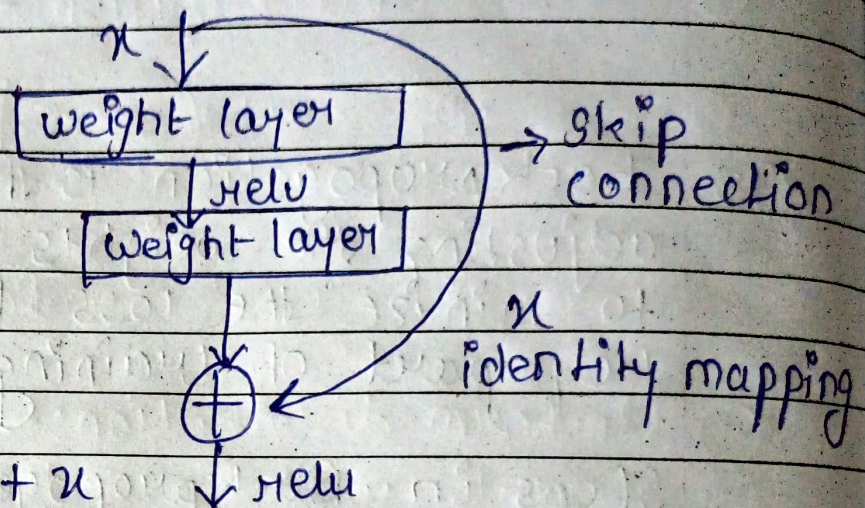


Q1. ResNet solved the problem of network degradation with the help of residual block.



So in residual block they are adding a skip connection. The benefit of including this kind of skip link is that regularisation will skip any layer that degrades architecture performance.

Q2. In transfer learning freezing the layers means preventing certain layers of a pre-trained neural network from updating their weights during the training process on a new task.