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1. Coding tasks

- 2) (onvNet 2 has accuracy of 37% after 10 epoch, while convNet 1 achieved 32%. So more tilters pertorn better.
 - 3) (onvivet 3 has accuracy of 37%, same as ConvNet 2's pertormance. We can now achieve the same pertormance using small tilters meanwhile using less trainable parameters.
- 4) Yes ConvNet 4 is per torming better, with accuracy of 48%.

 Batch normalization layer makes the Model more eneralized thus resulting in higher accuracy.
 - 5) The accuracy of first modified transfer model is 58%.

 The accuracy of second modified transfer model is about 37%.

 The accuracy of third modified transfer model is 43%.

 The accuracy of fourth model is 42%.

 The accuracy of titth model is 52%.
 - 6) Skip connections and shortcuts that allow the network to bypass somelayers, enabling the network to learn residual mappings.