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## PROJECT

## Translation From One Language to Another Language

**ROJECT REVIEW**  **ROJECT REVIEW**  **ROJECT REVIEW**  **ROTES  **ROTES	A part of the Deep Learning Nanodegree Foundation Program
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Well Done !!! encoding_layer is correctly implemented. Also, you have used dropout too.	The function encoding_layer is implemented correctly.

The function  $\boxed{\mbox{decoding\_layer\_train}}$  is implemented correctly.

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The function decoding\_layer\_infer is implemented correctly.

The function decoding\_layer is implemented correctly.

You have correctly used the context scope. You defined a scope during training and used the same variables from that scope during inference. This was tricky. Well Done !!!

The function seq2seq\_model is implemented correctly.

## **Neural Network Training**

The parameters are set to reasonable numbers.

The current hyperparameters give stellar results. However, you could have tried with a slightly higher learning rate and batch size. This way training could be a little faster. Also, the dropout could be increased by lowering keep\_probability' to 0.5. num\_layers` is good as more layers are not required for this problem.

The project should end with a validation and test accuracy that is at least 90.00%

Well Done !!! You have achieved great results in terms of accuracy.

## Language Translation

The function sentence\_to\_seq is implemented correctly.

 ${\sf Good\,Job\,!!!} \boxed{{\sf sentence\_to\_seq}} \ {\sf correctly\,implements\,the\,conversion.}$ 

The project gets majority of the translation correctly. The translation doesn't have to be perfect.

Well Done !!! The translation is almost perfect. The only place where the translation went off was the color of the truck. Awesome work !!!

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