

```
(myenv) C:\Users\Cheryl\Documents\SpeechRecog\spee
1.11.0
0.11.0
Model loaded. Number of parameters: 4884175
100%|
Character Error Rate is 25.13%
```

Upon checking the train log files, the validation loss seems to be still decreasing, so I increase the epoch to 40 to further fine-tune. At around Epoch 23, I saw that the validation loss is not decreasing anymore.

For my final implementation, I have used training parameters of:

- Epoch: 23
- Batch-size: 32
- Drop-out 0.3

To get a 24.77% CER.

```
(myenv) C:\Users\Cheryl\Documents\SpeechRecog\speechrecog>python local.py --eval --initial_mode oLR23  
1.11.0  
0.11.0  
Model loaded. Number of parameters: 4884175  
100%|██████████████████████████████████████████████████████████████████████████████| 1500/1500  
Character Error Rate is 24.77%
```

### Evaluating the test set:

- For evaluating the test set, I have changed the `--val_list` to `"ks_test_rel.json"`

## References

[1] Kim, Soohwan, Seyoung Bae, and Cheolhwang Won. "Open-source toolkit for end-to-end Korean speech recognition." *Software Impacts* 7 (2021): 100054