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1 C:\Users\nat\PycharmProjects\PythonProject\.venv\
  Scripts\python.exe C:\Users\nat\PycharmProjects\
  PythonProject\BERT-tuning.py
2 Some weights of the model checkpoint at bert-base-
  uncased were not used when initializing
  BertForMaskedLM: ['bert.pooler.dense.bias', 'bert.
  pooler.dense.weight', 'cls.seq_relationship.bias', '
  cls.seq_relationship.weight']
3 - This IS expected if you are initializing
  BertForMaskedLM from the checkpoint of a model
  trained on another task or with another architecture
  (e.g. initializing a BertForSequenceClassification
  model from a BertForPreTraining model).
4 - This IS NOT expected if you are initializing
  BertForMaskedLM from the checkpoint of a model that
  you expect to be exactly identical (initializing a
  BertForSequenceClassification model from a
  BertForSequenceClassification model).
5 Epoch: 0: 100%|██████████| 5/5 [02:17<00:00, 27.50s/
  it, loss=2.1]
6 Epoch: 1: 100%|██████████| 5/5 [02:26<00:00, 29.30s/
  it, loss=1.89]
7 Epoch: 2: 100%|██████████| 5/5 [02:40<00:00, 32.04s/
  it, loss=2.26]
8 No match:
9 predicted: 2125 | original: 2006
10 predicted: off | original: on
11 No match:
12 predicted: 2758 | original: 7288
13 predicted: says | original: decides
14 No match:
15 predicted: 1996 | original: 2019
16 predicted: the | original: an
17 No match:
18 predicted: 2092 | original: 3100
19 predicted: well | original: okay
20 No match:
21 predicted: 2032 | original: 2009
22 predicted: him | original: it
23 No match:
24 predicted: 3632 | original: 2272
```

25 predicted: goes | original: come
26 No match:
27 predicted: 3100 | original: 2028
28 predicted: okay | original: one
29 No match:
30 predicted: 2016 | original: 9588
31 predicted: she | original: mama
32 No match:
33 predicted: 1998 | original: 2041
34 predicted: and | original: out
35 No match:
36 predicted: 3100 | original: 2842
37 predicted: okay | original: else
38 No match:
39 predicted: 2320 | original: 2059
40 predicted: once | original: then
41 No match:
42 predicted: 2187 | original: 2318
43 predicted: left | original: started
44 No match:
45 predicted: 2200 | original: 2061
46 predicted: very | original: so
47 No match:
48 predicted: 3632 | original: 18545
49 predicted: goes | original: rushes
50 No match:
51 predicted: 4954 | original: 2188
52 predicted: wet | original: home
53 No match:
54 predicted: 2040 | original: 2002
55 predicted: who | original: he
56 No match:
57 predicted: 4122 | original: 26451
58 predicted: wants | original: declines
59 No match:
60 predicted: 2002 | original: 2084
61 predicted: he | original: than
62 No match:
63 predicted: 2041 | original: 2648
64 predicted: out | original: outside
65

```
66 Accuracy: 73.61% on 72 sequences
67
68 Process finished with exit code 0
69
```