```
1 C:\Users\nat\PycharmProjects\PythonProject\.venv\
  Scripts\python.exe C:\Users\nat\PycharmProjects\
  PythonProject\BERT-tuning.py
2 ["little Billy is heading out to school  he has a
  backpack  and his mother is telling him that it's
  going to rain and he should carry an umbrella  but he
   says no no I don't wanna carry an umbrella  so he
  leaves without it  he tells her goodbye and leaves
  without the umbrella  and he hasn't gone very far
  when it actually starts raining  and then it gets
  harder and harder and harder  and he gets very wet
  he's splashing in the puddles  and his hair ,
  everything is so wet  so he runs home  and his mother
  's really unhappy with him  so then he dries off  and
   this time he goes back out with the umbrella  uhhuh
   ", " okay this is a story about a little boy who
  his mother wants him to take the umbrella  and he
  says no he doesn't wanna take it because he doesn't
  wanna be bothered carrying the umbrella  and then he
  starts walking down  and he walks a ways  and he
  finds that it's raining  so he goes back and gets the
   umbrella from her  but he's already wet  so she's
  a_little disturbed with the fact that he's wet  but
  he ends up taking the umbrella and walking in the
  rain with the umbrella "]
3 torch.Size([2, 135]) torch.Size([2, 135])
4 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']
5 - 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).
6 - 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).
```

```
 7
 8   little Billy is heading out to school  he has a
    backpack  and his mother is telling him that it's
    going to rain and he should carry an umbrella  but he
     says no no I don't wanna carry an umbrella  so he
    leaves without it  he tells her goodbye and leaves
    without the umbrella  and he hasn't gone very far
    when it actually starts raining  and then it gets
    harder and harder and harder  and he gets very wet
    he's splashing in the puddles  and his hair ,
    everything is so wet  so he runs home  and his mother
    's really unhappy with him  so then he dries off  and
     this time he goes back out with the umbrella  uhhuh

 9 random masked index:  70
10 predicted:  24057 | original:  24057
11 predicted:  raining | original:  raining
12
13   okay this is a story about a little boy who his
    mother wants him to take the umbrella  and he says no
     he doesn't wanna take it because he doesn't wanna be
     bothered carrying the umbrella  and then he starts
    walking down  and he walks a ways  and he finds that
    it's raining  so he goes back and gets the umbrella
    from her  but he's already wet  so she's a_little
    disturbed with the fact that he's wet  but he ends up
     taking the umbrella and walking in the rain with the
     umbrella
14 random masked index:  70
15 predicted:  2021 | original:  2021
16 predicted:  but | original:  but
17
18  Accuracy: 100.00% on 2 sequences
19
20 Process finished with exit code 0
21
```