Output:

/Users/nicolasgaldona/PycharmProjects/test/venv/bin/python /Users/nicolasgaldona/PycharmProjects/test/newDatasetBERT_PyTorch.py

/Users/nicolasgaldona/PycharmProjects/test/venv/lib/python3.11/site-packages/transformers/tokenization_utils_base.py:1601: FutureWarning: `clean_up_tokenization_spaces` was not set. It will be set to `True` by default. This behavior will be depracted in transformers v4.45, and will be then set to `False` by default. For more details check this issue: https://github.com/huggingface/transformers/issues/31884

warnings.warn(

A parameter name that contains `beta` will be renamed internally to `bias`. Please use a different name to suppress this warning.

A parameter name that contains `gamma` will be renamed internally to `weight`. Please use a different name to suppress this warning.

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Some weights of BertForSequenceClassification were not initialized from the model checkpoint at bert-base-uncased and are newly initialized: ['classifier.bias', 'classifier.weight']

You should probably TRAIN this model on a down-stream task to be able to use it for predictions and inference.

/Users/nicolasgaldona/PycharmProjects/test/venv/lib/python3.11/site-packages/transformers/optimization.py:591: FutureWarning: This implementation of

AdamW is deprecated and will be removed in a future version. Use the PyTorch implementation torch.optim.AdamW instead, or set `no_deprecation_warning=True` to disable this warning

warnings.warn(

Epoch 2/3: 0% | 0/314 [00:00<?, ?it/s]Epoch 1 - Training Loss: 0.0757 - Training

Accuracy: 0.9753

Epoch 1 completed in 2587.84 seconds

Epoch 3/3: 0% | 0/314 [00:00<?, ?it/s] Epoch 2 - Training Loss: 0.0151 - Training

Accuracy: 0.9962

Epoch 2 completed in 3212.98 seconds

Epoch 3 - Training Loss: 0.0066 - Training Accuracy: 0.9980

Epoch 3 completed in 2396.00 seconds

precision recall f1-score support

ham 1.00 1.00 1.00 483

spam 0.99 0.97 0.98 75

accuracy 0.99 558

macro avg 0.99 0.99 0.99 558

weighted avg 0.99 0.99 0.99 558

Process finished with exit code 0



