The file model\_training.py provides a complete workflow for fine-tuning BERT model for named entity recognition. Dataset was found on the internet, then it was loaded using pandas, after that data was tokenized using a pre-trained BERT tokenizer. This tokenizer converts words into subword tokens that can be processed by the BERT model. Then labels were aligned with tokens. After that I created custom dataset class NERDataset to make the dataset compatible with the Hugging Face Trainer API. Finally, I used some default TrainingArgs(because my pc is not so good to make some hyperparameters search) and trained the model.