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### **Question Answering**

- Video: Week Introduction 41 sec
- Video: Week 3 Overview 6 min
- Reading: Week 3 Overview 10 min
- Video: Transfer Learning in NLP 6 min
- Reading: Transfer Learning in NLP
  10 min
- Video: ELMo, GPT, BERT, T5
  7 min
- Reading: ELMo, GPT, BERT, T5
  10 min
- Video: Bidirectional Encoder
  Representations from
  Transformers (BERT)
  4 min
- Reading: Bidirectional Encoder
  Representations from
  Transformers (BERT)
  10 min
- Video: BERT Objective 2 min
- Reading: BERT Objective
- Video: Fine tuning BERT 2 min
- Reading: Fine tuning BERT 10 min
- Video: Transformer: T5 3 min
- Reading: Transformer T5 10 min
- Video: Multi-Task Training
  Strategy
  5 min
- Reading: Multi-Task Training
  Strategy
  10 min
- Video: GLUE Benchmark 2 min
- Reading: GLUE Benchmark
  10 min
- Lab: SentencePiece and BPE 2h

## **Hugging Face**

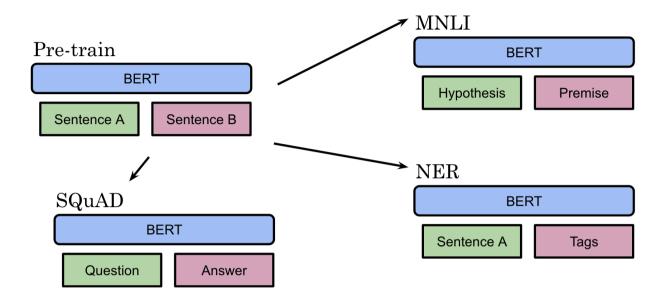
**Lecture Notes (Optional)** 

# **Practice Quiz**

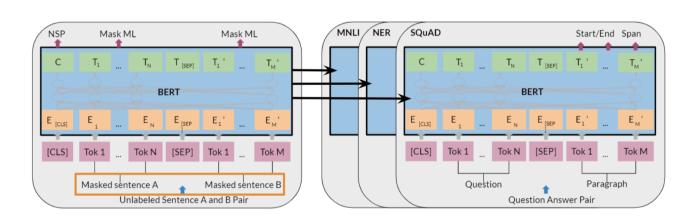
Assignment

# Fine tuning BERT

Once you have a pre-trained model, you can fine tune it on different tasks.



For example, given a hypothesis, you can identify the premise. Given a question, you can find the answer. You can also use it for named entity recognition, paraphrasing sentences, sequence tagging, classification and many more tasks.





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