<https://www.youtube.com/watch?v=3bPhDUSAUYI> – Reference

Introduction to transformers

1. RNN/LSTM/GRU RNN
2. Encoder decoder architecture
3. Attention mechanism
4. Transformers
5. Why transformers?
6. Architecture of transformers?
7. Self-attention: Q, K, V
8. Positional encoding
9. Multi head attention
10. Combining the work of transformers

**What and why in transformers?**

Transformers in natural language processing (NLP) are a type of deep learning model that uses self-attention mechanisms to analyse and process natural language data. They are encoder-decoder models that can be used for many applications, including machine translation.