Text Genration Using Transformers:

- **What isTransformer?**
    - The Transformer only performs a small, constant number of steps (chosen empirically). In each step, it applies a self-attention mechanism which directly models relationships between all words in a sentence, regardless of their respective position. In the earlier example "I arrived at the bank after crossing the river", to determine that the word "bank" refers to the shore of a river and not a financial institution, the Transformer can learn to immediately attend to the word "river" and make this decision in a single step. In fact, in our English-French translation model we observe exactly this behavior.
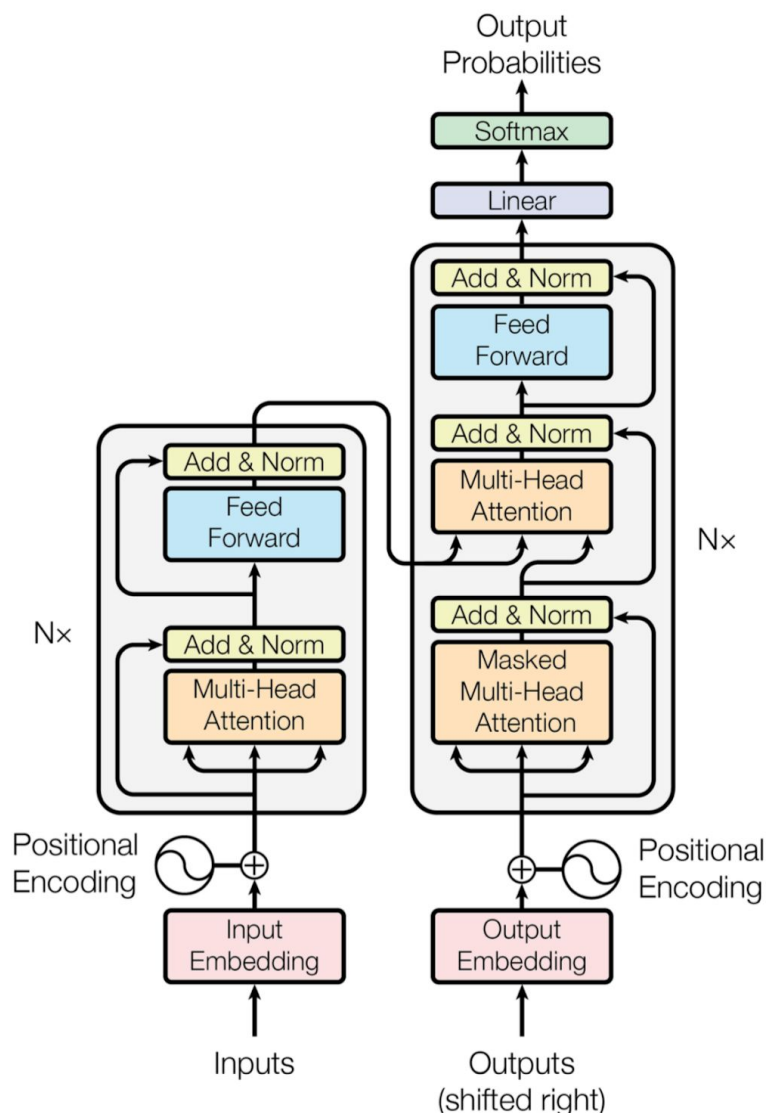

Figure 1: The Transformer - model architecture.

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Results :

Seed:

You had a great morning but your afternoon will be ruined because

Genrated Text:

lease help me out -- I want to go home -- I want to go home --
 white rabbit
 oh ! the duchess ! oh ! my fur and whiskers ! she'll get me executed,
as sure as fer rets are fer rets ! oh ! _ you _ have them !
 alice
 i'm sorry -- you dropped them, you know --
 white rabbit
 [_ picks up fan and gloves and p atters off. _]
 she'll chop off your head !
 alice
 if you please sir -- where am I? -- won't you please -- tell me how to
get out -- I want to get out --
 such farmers fall ground ears the fall hall dropped cathedral, lightning
ford con his co fall interesting grief kiss mine, fall narrow snow fall to
stair close

Done.

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