Import dependencies

In [1]:
```
from transformers import GPT2LMHeadModel , GPT2Tokenizer
```

Load Model

In [2]:
```
tokenizer = GPT2Tokenizer.from_pretrained('gpt2-large')
model = GPT2LMHeadModel.from_pretrained('gpt2-large' , pad_token_id = tokenizer.eos_tok
```

In [3]:
```
tokenizer.decode(tokenizer.eos_token_id)
```

Out[3]:
```
'<|endoftext|>'
```

Tokenize the text

In [68]:
```
sentence = "What is Love?"
input_ids = tokenizer.encode(sentence , return_tensors = 'pt')
```

In [69]:
```
input_ids
```

Out[69]:
```
tensor([[2061,  318, 5896,   30]])
```

In [70]:
```
tokenizer.decode(input_ids[0])
```

Out[70]:
```
'What is Love?'
```

In [71]:
```
print(tokenizer.decode(input_ids[0][1]))
# print(tokenizer.decode(input_ids[0][2]))
# print(tokenizer.decode(input_ids[0][3]))
# print(tokenizer.decode(input_ids[0][4]))
```

```
 is
```

Generate and Decode Text

In [72]:
```
output = model.generate(input_ids, max_length = 10000, num_beams = 5,no_repeat_ngram_si
```

In [73]:
```
len(output[0])
```

Out[73]:
```
597
```

In [74]:
```
print(tokenizer.decode(output[0] , skip_special_tokens = True))
```

```
What is Love?

Love is a state of mind, a feeling, an emotion, or a mental state. It is the feeling of
being in love with someone or something. The word "love" is derived from the Latin word
for "to love," "lēgēre," which means to feel, to be attracted to, and to love. Love is a
```

```
n emotional state, not a physical one. A person can feel love for another person, but it
is not the same thing as having physical feelings for that person. For example, if a man
and a woman are in a relationship, the man may feel a strong attraction to the woman. Ho
wever, he may not feel any physical attraction toward her. This is because he does not h
ave any feelings of love or attraction for her, nor does he have a desire to have physic
al relations with her at this point in time. He may, however, feel an intense emotional
attachment to her as a result of her being a person of interest to him. In other words,
she is someone who he is interested in and he wants to get to know more about her and he
r life. If he were to become romantically involved with that woman, it would not be love
at first sight, for he would still have no desire or desire for physical contact with th
e person he loves. Instead, his love would be based on the fact that he has an interest
in the other person's life and that she has a life worth living.


In the case of a romantic relationship between two people who are not related by blood o
r marriage, there is no physical or emotional attraction between them. They do not share
a common life experience or common interests. Rather, they have different life experienc
es and different interests, which may lead to a different level of physical and emotiona
l intimacy between the two of them, as well as different levels of commitment and commit
ment to each other. As such, their love is based more on their different lives experienc
es than on any kind of emotional or romantic attraction that they may have for one anoth
er. Therefore, love between a couple who have not been married for a long period of time
is called "non-marital love" or "open-ended love." This term is used to describe a type
of relationship in which one person is in an open relationship with one or more other pe
ople, while the couple is living together as husband and wife. There are many different
types of open relationships, each with its own set of rules and rules of conduct. Open r
elationships can be either monogamous or non-monogamous. Monogamy is when one partner is
married to another and has sexual relations only with other members of the opposite sex.
Non-polyamorous relationships are relationships where both partners are involved in sexu
al relationships with people of different genders and/or sexual orientations. Some of th
ese relationships may be open to both men and women and some are open only to one gender
or sexual orientation.
```

Output Result

In [75]:
```
text = tokenizer.decode(output[0] , skip_special_tokens = True)
```

In [83]:
```
type(text)
```

Out[83]:
```
str
```

In [84]:
```
with open('blog_ai.txt','w') as f:
    f.write(text.encode('ascii' , 'ignore').decode('ascii'))
```

In [ ]:
```

```