```
from\ transformers\ import\ GPT2LMHeadModel,\ GPT2Tokenizer
model_name = "gpt2"
tokenizer = GPT2Tokenizer.from_pretrained(model_name)
model = GPT2LMHeadModel.from_pretrained(model_name)
/usr/local/lib/python3.11/dist-packages/huggingface_hub/utils/_auth.py:94: UserWarning:
     The secret `HF_TOKEN` does not exist in your Colab secrets.
     To authenticate with the Hugging Face Hub, create a token in your settings tab (<a href="https://huggingface.co/settings/tokens">https://huggingface.co/settings/tokens</a>), set it as:
     You will be able to reuse this secret in all of your notebooks.
     Please note that authentication is recommended but still optional to access public models or datasets.
       warnings.warn(
     tokenizer_config.json: 100%
                                                                       26.0/26.0 [00:00<00:00, 809B/s]
     vocab.json: 100%
                                                               1.04M/1.04M [00:00<00:00, 15.5MB/s]
     merges txt: 100%
                                                               456k/456k [00:00<00:00. 17.8MB/s]
                                                                 1.36M/1.36M [00:00<00:00, 62.0MB/s]
     tokenizer.json: 100%
     config.json: 100%
                                                               665/665 [00:00<00:00, 62.5kB/s]
     Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTTP download. For better p
     WARNING:huggingface_hub.file_download:Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back
                                                                    548M/548M [00:01<00:00, 306MB/s]
     model.safetensors: 100%
     generation_config.json: 100%
                                                                        124/124 [00:00<00:00, 9.63kB/s]
prompt text = "Once upon a time in the world of Artificial Intelligence,"
input_ids = tokenizer.encode(prompt_text, return_tensors='pt')
output = model.generate(
input ids.
max_length=100,
num_return_sequences=1,
no_repeat_ngram_size=2,
early_stopping=True
/usr/local/lib/python3.11/dist-packages/transformers/generation/configuration_utils.py:679: UserWarning: `num_beams` is set to 1. Hc
      warnings.warn(
     The attention mask and the pad token id were not set. As a consequence, you may observe unexpected behavior. Please pass your input
     Setting `pad_token_id` to `eos_token_id`:50256 for open-end generation.
     The attention mask is not set and cannot be inferred from input because pad token is same as eos token. As a consequence, you may ot
generated_text = tokenizer.decode(output[0], skip_special_tokens=True)
print(generated_text)
Two Once upon a time in the world of Artificial Intelligence, the human mind was a machine. It was the only thing that could be controll
     The human brain was an artificial intelligence. The human body was not. But it was still a human being. And it had the ability to co
```