```
pip install transformers
```

```
Requirement already satisfied: transformers in /usr/local/lib/python3.11/dist-packages (4.55.0)
Requirement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from transformers) (3.18.0)
Requirement already satisfied: huggingface-hub<1.0,>=0.34.0 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.34.3)
Requirement already satisfied: numpy>=1.17 in /usr/local/lib/python3.11/dist-packages (from transformers) (2.0.2)
Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.11/dist-packages (from transformers) (25.0)
Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.11/dist-packages (from transformers) (6.0.2)
Requirement already satisfied: regex!=2019.12.17 in /usr/local/lib/python3.11/dist-packages (from transformers) (2024.11.6)
Requirement already satisfied: requests in /usr/local/lib/python3.11/dist-packages (from transformers) (2.32.3)
Requirement already satisfied: tokenizers<0.22,>=0.21 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.21.4)
Requirement already satisfied: safetensors>=0.4.3 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.6.1)
Requirement already satisfied: tqdm>=4.27 in /usr/local/lib/python3.11/dist-packages (from transformers) (4.67.1)
Requirement already satisfied: fsspec>=2023.5.0 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub<1.0,>=0.34.0->transform
Requirement already satisfied: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub<1.0,>=0.34.0-
Requirement already satisfied: hf-xet<2.0.0,>=1.1.3 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub<1.0,>=0.34.0->trans
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (3.4.2)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (2.5.0)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (2025.8.3)
```

```
from transformers import pipeline

# Load a text generation model
generator = pipeline("text-generation", model="gpt2")

# Your prompt
prompt = "In the future, humans will live on Mars and"

# Generate text
result = generator(prompt, max_length=60, num_return_sequences=1)
print(result[0]['generated_text'])
```

```
/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 (https://huggingface.co/settings/tokens), set it as secre
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(
```

config.json: 100%   665/665 [00:00<00:00, 10.3kB/s]

model.safetensors: 100%   548M/548M [00:10<00:00, 82.9MB/s]

generation_config.json: 100%   124/124 [00:00<00:00, 10.4kB/s]

tokenizer_config.json: 100%   26.0/26.0 [00:00<00:00, 1.69kB/s]

vocab.json: 100%   1.04M/1.04M [00:00<00:00, 6.45MB/s]

merges.txt: 100%   456k/456k [00:00<00:00, 11.0MB/s]

tokenizer.json: 100%   1.36M/1.36M [00:00<00:00, 12.7MB/s]

```
Device set to use cpu
Truncation was not explicitly activated but `max_length` is provided a specific value, please use `truncation=True` to explicitly trunca
Setting `pad_token_id` to `eos_token_id`:50256 for open-end generation.
Both `max_new_tokens` (=256) and `max_length`(=60) seem to have been set. `max_new_tokens` will take precedence. Please refer to the doc
In the future, humans will live on Mars and colonize other planets.

The first signs of a civilization

The next decade will bring a host of interesting developments. Scientists are studying the impact of human activity on planetary ecosyst

A growing number of scientists are developing a new kind of prediction tool to predict future human activities.

This new tool will find out whether human activity will make the Earth a habitable place for microbial life or whether it will alter the

The tool will help scientists to predict future human activities in an unprecedented way.

If scientists are successful in predicting future human activities, they will be able to predict what the future might look like for the

If they are not successful, they will be unable to predict what the future might look like for the Earth.

This new technology will let scientists better predict the future for the Earth.

The new technology will help scientists better predict future human activities in an unprecedented way.

Human activity will cause the Earth to become more acidic

This new technology could cause the Earth to become more acidic.

This new technology could cause the Earth to become more acidic.

Researchers
```

```python
prompt = "Write a bedtime story about a dragon who is afraid of fire"
result = generator(prompt, max_length=60, num_return_sequences=1)
print(result[0]['generated_text'])
```

```
Setting `pad_token_id` to `eos_token_id`:50256 for open-end generation.
Both `max_new_tokens` (=256) and `max_length`(=60) seem to have been set. `max_new_tokens` will take precedence. Please refer to the doc
Write a bedtime story about a dragon who is afraid of fire.

2:15pm - 7:15pm

The Book of the Dragon - by Jules Verne (Crown Books)

4:00pm - 7:00pm

The Book of the Dragon - by Jules Verne (Crown Books)

8:00pm - 10:00pm

The Book of the Dragon - by Jules Verne (Crown Books)

10:00pm - 12:00pm

The Book of the Dragon - by Jules Verne (Crown Books)

12:00pm - 1:00am

The Book of the Dragon - by Jules Verne (Crown Books)

1:00am - 6:00am

The Book of the Dragon - by Jules Verne (Crown Books)
```

```
6:00am - 6:00am

The Book of the Dragon - by Jules Verne (Crown Books)

7:00am - 7:00am

The Book of the Dragon - by Jules Verne (Crown Books)
```