

```
!pip install pytesseract
!pip install pillow
!pip install transformers
```

Collecting pytesseract
 Downloading pytesseract-0.3.13-py3-none-any.whl.metadata (11 kB)
 Requirement already satisfied: packaging>=21.3 in /usr/local/lib/python3.11/dist-packages (from pytesseract) (25.0)
 Requirement already satisfied: Pillow>=8.0.0 in /usr/local/lib/python3.11/dist-packages (from pytesseract) (11.3.0)
 Downloading pytesseract-0.3.13-py3-none-any.whl (14 kB)
 Installing collected packages: pytesseract
 Successfully installed pytesseract-0.3.13
 Requirement already satisfied: pillow in /usr/local/lib/python3.11/dist-packages (11.3.0)
 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->transformers) (2025.8.3)
 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->transformers) (4.6.1)
 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->transformers) (1.1.3)
 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)

```
import pytesseract
from PIL import Image
from transformers import pipeline
```

```
input="/content/image.png"
input_image=Image.open(input)
text_output=pytesseract.image_to_string(input_image).strip()
print(text_output)
```

It was the best of
 times, it was the worst
 of times, it was the age
 of wisdom, it was the
 age of foolishness...

```
from transformers import pipeline
```

```
sentiment_analyzer = pipeline("sentiment-analysis")
text = text_output
sentiment_result = sentiment_analyzer(text)
```

```
print("Sentiment analysis:")
print(f"Text: {text}")
print(f"Sentiment: {sentiment_result[0]['label']} score: {sentiment_result[0]['score']:.2f}")
```

No model was supplied, defaulted to distilbert/distilbert-base-uncased-finetuned-sst-2-english and revision 714eb0f (<https://huggingface.co/distilbert/distilbert-base-uncased-finetuned-sst-2-english>)
 Using a pipeline without specifying a model name and revision in production is not recommended.
 Device set to use cpu
 Sentiment analysis:
 Text: It was the best of
 times, it was the worst
 of times, it was the age
 of wisdom, it was the
 age of foolishness...
 Sentiment: NEGATIVE score: 0.98

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