


```
# Use a pipeline as a high-level helper
```

```
from transformers import pipeline
```

```
pipe = pipeline("summarization", model="facebook/bart-large-cnn")
```

 /usr/local/lib/python3.10/dist-packages/huggingface_hub/utils/_token.py:89: 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 :
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%                               1.58k/1.58k [00:00<00:00, 71.2kB/s]
model.safetensors: 100%                         1.63G/1.63G [00:20<00:00, 51.1MB/s]
generation_config.json: 100%                    363/363 [00:00<00:00, 18.1kB/s]
vocab.json: 100%                                899k/899k [00:00<00:00, 15.1MB/s]
merges.txt: 100%                                456k/456k [00:00<00:00, 21.4MB/s]
tokenizer.json: 100%                             1.36M/1.36M [00:00<00:00, 10.0MB/s]
```

+ Code

+ Text

```
from transformers import pipeline
```

```
summarizer = pipeline("summarization", model="facebook/bart-large-cnn")
```

```
ARTICLE = """ Virat Kohli (Hindi pronunciation: [ʋɪˈɾɑːʈ̪ ˈkoːɦli] ⓘ; born 5 November 1988) is an Indian international cricketer and the
In 2013, Kohli was ranked number one in the ICC rankings for ODI batsmen. In 2015, he achieved the summit of T20I rankings.[6] In 2018, h
He has received many accolades for his performances in cricket. He won the ICC ODI Player of the Year award four times in 2012, 2017, 201
In 2018, Time magazine included him on its list of the 100 most influential people in the world.
"""
print(summarizer(ARTICLE, max_length=100, min_length=30, do_sample=False))
```

 [{"summary_text": 'Virat Kohli is an Indian international cricketer and the former captain of the Indian national cricket team. He c

```
# Use a pipeline as a high-level helper
```

```
from transformers import pipeline
```

```
pipe = pipeline("fill-mask", model="distilbert/distilbert-base-uncased")
```

 config.json: 100% 483/483 [00:00<00:00, 24.6kB/s]
model.safetensors: 100% 268M/268M [00:04<00:00, 61.6MB/s]
tokenizer_config.json: 100% 48.0/48.0 [00:00<00:00, 3.36kB/s]
vocab.txt: 100% 232k/232k [00:00<00:00, 12.0MB/s]
tokenizer.json: 100% 466k/466k [00:00<00:00, 17.6MB/s]

```
from transformers import pipeline
```

```
unmasker = pipeline('fill-mask', model='distilbert-base-uncased')
```

```
print(unmasker("Have you gone [MASK]. "))
```

 [{'score': 0.08188865333795547, 'token': 5506, 'token_str': 'mad', 'sequence': 'have you gone mad.'}, {'score': 0.05555138736963272,

VISUAL Q & A

```
# Use a pipeline as a high-level helper
```

```
from transformers import pipeline
```

```
pipe = pipeline("visual-question-answering", model="Salesforce/blip-vqa-base")
```



config.json: 100%	4.56k/4.56k [00:00<00:00, 215kB/s]
model.safetensors: 100%	1.54G/1.54G [00:07<00:00, 260MB/s]
tokenizer_config.json: 100%	592/592 [00:00<00:00, 35.9kB/s]
vocab.txt: 100%	232k/232k [00:00<00:00, 10.8MB/s]
tokenizer.json: 100%	711k/711k [00:00<00:00, 27.1MB/s]
special_tokens_map.json: 100%	125/125 [00:00<00:00, 5.10kB/s]
preprocessor_config.json: 100%	445/445 [00:00<00:00, 23.6kB/s]

```
import requests
from PIL import Image
from transformers import BlipProcessor, BlipForQuestionAnswering

processor = BlipProcessor.from_pretrained("Salesforce/blip-vqa-base")
model = BlipForQuestionAnswering.from_pretrained("Salesforce/blip-vqa-base")

img_url = 'https://storage.googleapis.com/sfr-vision-language-research/BLIP/demo.jpg'
raw_image = Image.open(requests.get(img_url, stream=True).raw).convert('RGB')

question = "Is there ocean in the picture?"
inputs = processor(raw_image, question, return_tensors="pt")

out = model.generate(**inputs)
print(processor.decode(out[0], skip_special_tokens=True))
```



yes

Start coding or [generate](#) with AI.