```
!pip install transformers torch
```

```
Requirement already satisfied: certifi> 2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests>transformers) (2025.1.31)
Downloading nvidia_cublas_cu12-12.4.5.8-py3-none-manylinux2014_x86_64.whl (363.4 MB)
                                                         363.4/363.4 MB 2.9 MB/s eta 0:00:00
Downloading nvidia_cuda_cupti_cu12-12.4.127-py3-none-manylinux2014_x86_64.whl (13.8 MB)
                                                         13.8/13.8 MB 36.3 MB/s eta 0:00:00
Downloading nvidia_cuda_nvrtc_cu12-12.4.127-py3-none-manylinux2014_x86_64.whl (24.6 MB)
                                                         24.6/24.6 MB 15.3 MB/s eta 0:00:00
Downloading nvidia_cuda_runtime_cu12-12.4.127-py3-none-manylinux2014_x86_64.whl (883 kB)
                                                         883.7/883.7 kB 35.2 MB/s eta 0:00:00
Downloading nvidia_cudnn_cu12-9.1.0.70-py3-none-manylinux2014_x86_64.whl (664.8 MB)
                                                         664.8/664.8 MB 1.2 MB/s eta 0:00:00
Downloading nvidia_cufft_cu12-11.2.1.3-py3-none-manylinux2014_x86_64.whl (211.5 MB)
                                                         211.5/211.5 MB 5.8 MB/s eta 0:00:00
Downloading nvidia_curand_cu12-10.3.5.147-py3-none-manylinux2014_x86_64.whl (56.3 MB)
                                                         56.3/56.3 MB 10.4 MB/s eta 0:00:00
Downloading nvidia_cusolver_cu12-11.6.1.9-py3-none-manylinux2014_x86_64.whl (127.9 MB)
                                                         127.9/127.9 MB 6.8 MB/s eta 0:00:00
Downloading nvidia_cusparse_cu12-12.3.1.170-py3-none-manylinux2014_x86_64.whl (207.5 MB)
                                                         207.5/207.5 MB 6.8 MB/s eta 0:00:00
Downloading nvidia_nvjitlink_cu12-12.4.127-py3-none-manylinux2014_x86_64.whl (21.1 MB)
                                                         21.1/21.1 MB 64.5 MB/s eta 0:00:00
Installing collected packages: nvidia-nvjitlink-cu12, nvidia-curand-cu12, nvidia-cufft-cu12, nvidia-cuda-runtime-cu12, nvidia-cuda-nvrtc-cu12,
  Attempting uninstall: nvidia-nvjitlink-cu12
    Found existing installation: nvidia-nvjitlink-cu12 12.5.82
    Uninstalling nvidia-nvjitlink-cu12-12.5.82:
      Successfully uninstalled nvidia-nvjitlink-cu12-12.5.82
  Attempting uninstall: nvidia-curand-cu12
    Found existing installation: nvidia-curand-cu12 10.3.6.82
    Uninstalling nvidia-curand-cu12-10.3.6.82:
      Successfully uninstalled nvidia-curand-cu12-10.3.6.82
  Attempting uninstall: nvidia-cufft-cu12
    Found existing installation: nvidia-cufft-cu12 11.2.3.61
    Uninstalling nvidia-cufft-cu12-11.2.3.61:
      Successfully uninstalled nvidia-cufft-cu12-11.2.3.61
  Attempting uninstall: nvidia-cuda-runtime-cu12
    Found existing installation: nvidia-cuda-runtime-cu12 12.5.82
    Uninstalling nvidia-cuda-runtime-cu12-12.5.82:
      Successfully uninstalled nvidia-cuda-runtime-cu12-12.5.82
  Attempting uninstall: nvidia-cuda-nvrtc-cu12
    Found existing installation: nvidia-cuda-nvrtc-cu12 12.5.82
    Uninstalling nvidia-cuda-nvrtc-cu12-12.5.82:
      Successfully uninstalled nvidia-cuda-nvrtc-cu12-12.5.82
  Attempting uninstall: nvidia-cuda-cupti-cu12
    Found existing installation: nvidia-cuda-cupti-cu12 12.5.82
    Uninstalling nvidia-cuda-cupti-cu12-12.5.82:
      Successfully uninstalled nvidia-cuda-cupti-cu12-12.5.82
  Attempting uninstall: nvidia-cublas-cu12
    Found existing installation: nvidia-cublas-cu12 12.5.3.2
    Uninstalling nvidia-cublas-cu12-12.5.3.2:
      Successfully uninstalled nvidia-cublas-cu12-12.5.3.2
  Attempting uninstall: nvidia-cusparse-cu12
    Found existing installation: nvidia-cusparse-cu12 12.5.1.3
    Uninstalling nvidia-cusparse-cu12-12.5.1.3:
      Successfully uninstalled nvidia-cusparse-cu12-12.5.1.3
  Attempting uninstall: nvidia-cudnn-cu12
    Found existing installation: nvidia-cudnn-cu12 9.3.0.75
    Uninstalling nvidia-cudnn-cu12-9.3.0.75:
      Successfully uninstalled nvidia-cudnn-cu12-9.3.0.75
```

```python
from transformers import pipeline

generator = pipeline("text-generation", model="deepseek-ai/DeepSeek-R1-Distill-Qwen-1.5B", device_map="auto")

result=generator(
    "一個農場有雞跟兔，共有5個頭16隻腳，請問雞跟兔各有幾隻?請用繁體中文回答",
    truncation=True,
    max_length=30000,
    num_return_sequences=1,
)

print(result)
```

2025/4/14 下午3:47

Pipeline_with_Deepseek_R1.ipynb - Colab

```
config.json: 100%                                        679/679 [00:00<00:00, 49.7kB/s]

model.safetensors: 100%                                  3.55G/3.55G [00:43<00:00, 96.2MB/s]

Sliding Window Attention is enabled but not implemented for `sdpa`; unexpected results may be encountered.
generation_config.json: 100%                             181/181 [00:00<00:00, 6.05kB/s]

tokenizer_config.json: 100%                              3.07k/3.07k [00:00<00:00, 125kB/s]

tokenizer.json: 100%                                     7.03M/7.03M [00:00<00:00, 14.0MB/s]

Device set to use cpu
[{'generated_text': '一個農場有雞跟兔，共有5個頭16隻腳，請問雞跟兔各有幾隻?請用繁體中文回答。\n\n好的，我现在来解决这个问题。题目说一个农場有
```

https://colab.research.google.com/drive/1od7dLWSvsDqwG3saqosHCljbnRdn1WuJ?authuser=1#printMode=true

2/2