```
pip install transformers torch torchvision pillow
Requirement already satisfied: transformers in
/usr/local/lib/python3.11/dist-packages (4.47.1)
Requirement already satisfied: torch in
/usr/local/lib/python3.11/dist-packages (2.5.1+cu121)
Requirement already satisfied: torchvision in
/usr/local/lib/python3.11/dist-packages (0.20.1+cu121)
Requirement already satisfied: pillow in
/usr/local/lib/python3.11/dist-packages (11.1.0)
Requirement already satisfied: filelock in
/usr/local/lib/python3.11/dist-packages (from transformers) (3.16.1)
Reguirement already satisfied: huggingface-hub<1.0,>=0.24.0 in
/usr/local/lib/python3.11/dist-packages (from transformers) (0.27.1)
Requirement already satisfied: numpy>=1.17 in
/usr/local/lib/python3.11/dist-packages (from transformers) (1.26.4)
Requirement already satisfied: packaging>=20.0 in
/usr/local/lib/python3.11/dist-packages (from transformers) (24.2)
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) (0.21.0)
Requirement already satisfied: safetensors>=0.4.1 in
/usr/local/lib/python3.11/dist-packages (from transformers) (0.5.2)
Requirement already satisfied: tqdm>=4.27 in
/usr/local/lib/python3.11/dist-packages (from transformers) (4.67.1)
Requirement already satisfied: typing-extensions>=4.8.0 in
/usr/local/lib/python3.11/dist-packages (from torch) (4.12.2)
Requirement already satisfied: networkx in
/usr/local/lib/python3.11/dist-packages (from torch) (3.4.2)
Requirement already satisfied: jinja2 in
/usr/local/lib/python3.11/dist-packages (from torch) (3.1.5)
Requirement already satisfied: fsspec in
/usr/local/lib/python3.11/dist-packages (from torch) (2024.10.0)
Requirement already satisfied: nvidia-cuda-nvrtc-cu12==12.1.105 in
/usr/local/lib/python3.11/dist-packages (from torch) (12.1.105)
Requirement already satisfied: nvidia-cuda-runtime-cul2==12.1.105
in /usr/local/lib/python3.11/dist-packages (from torch) (12.1.105)
Requirement already satisfied: nvidia-cuda-cupti-cu12==12.1.105 in
/usr/local/lib/python3.11/dist-packages (from torch) (12.1.105)
Requirement already satisfied: nvidia-cudnn-cu12==9.1.0.70 in
/usr/local/lib/python3.11/dist-packages (from torch) (9.1.0.70)
Requirement already satisfied: nvidia-cublas-cu12==12.1.3.1 in
/usr/local/lib/python3.11/dist-packages (from torch) (12.1.3.1)
Requirement already satisfied: nvidia-cufft-cu12==11.0.2.54 in
```

```
/usr/local/lib/python3.11/dist-packages (from torch) (11.0.2.54)
Requirement already satisfied: nvidia-curand-cul2==10.3.2.106 in
/usr/local/lib/python3.11/dist-packages (from torch) (10.3.2.106)
Requirement already satisfied: nvidia-cusolver-cu12==11.4.5.107 in
/usr/local/lib/python3.11/dist-packages (from torch) (11.4.5.107)
Requirement already satisfied: nvidia-cusparse-cu12==12.1.0.106 in
/usr/local/lib/python3.11/dist-packages (from torch) (12.1.0.106)
Requirement already satisfied: nvidia-nccl-cu12==2.21.5 in
/usr/local/lib/python3.11/dist-packages (from torch) (2.21.5)
Requirement already satisfied: nvidia-nvtx-cul2==12.1.105 in
/usr/local/lib/python3.11/dist-packages (from torch) (12.1.105)
Requirement already satisfied: triton==3.1.0 in
/usr/local/lib/python3.11/dist-packages (from torch) (3.1.0)
Requirement already satisfied: sympy==1.13.1 in
/usr/local/lib/python3.11/dist-packages (from torch) (1.13.1)
Requirement already satisfied: nvidia-nvjitlink-cu12 in
/usr/local/lib/python3.11/dist-packages (from nvidia-cusolver-
cu12==11.4.5.107->torch) (12.6.85)
Requirement already satisfied: mpmath<1.4,>=1.1.0 in
/usr/local/lib/python3.11/dist-packages (from sympy==1.13.1->torch)
(1.3.0)
Requirement already satisfied: MarkupSafe>=2.0 in
/usr/local/lib/python3.11/dist-packages (from jinja2->torch) (3.0.2)
Requirement already satisfied: charset-normalizer<4,>=2 in
/usr/local/lib/python3.11/dist-packages (from requests->transformers)
(3.4.1)
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)
(2.3.0)
Requirement already satisfied: certifi>=2017.4.17 in
/usr/local/lib/python3.11/dist-packages (from requests->transformers)
(2024.12.14)
# Using the BLIP model from Hugging Face provides a powerful,
# pre-trained solution for generating captions for images.
    It abstracts away the complexity of training an image captioning
model,
     allowing you to focus on using the model for practical
applications.
     This approach works well without needing a custom dataset, and
     it gives you high-quality captions based on the visual content of
the image.
from transformers import BlipProcessor, BlipForConditionalGeneration
from PIL import Image
import requests
import matplotlib.pyplot as plt
```

```
# Load pre-trained BLIP model and processor from Hugging Face
processor = BlipProcessor.from pretrained("Salesforce/blip-image-
captioning-base")
model = BlipForConditionalGeneration.from pretrained("Salesforce/blip-
image-captioning-base")
# Function to display the image
def display image(image path):
    image = Image.open(image_path)
    plt.imshow(image)
    plt.axis('off')
    plt.show()
# Function to generate a caption for an image using BLIP
def generate caption(image path):
    # Open the image
    image = Image.open(image path)
    # Preprocess the image and prepare input for BLIP model
    inputs = processor(images=image, return tensors="pt")
    # Generate caption
    out = model.generate(**inputs)
    # Decode the generated tokens to a readable caption
    caption = processor.decode(out[0], skip special tokens=True)
    return caption
# Image path (replace with your own image)
image_path = "/content/download (1).jpg" # Replace with your image
path
# Display the image
display image(image path)
# Generate and print the caption
caption = generate caption(image path)
print(f"Generated Caption: {caption}")
```



## Generated Caption: two pup sitting in a field of flowers

```
from datasets import load dataset
ds = load_dataset("roneneldan/TinyStories")
{"model id":"0281359bb38b429ca0d57cb4dac250cd","version major":2,"vers
ion minor":0}
{"model id":"1d95cc2cce6546f1a43683fe233aef36","version major":2,"vers
ion minor":0}
{"model id": "9c6df2b29aeb482eb59efc514254b11d", "version major": 2, "vers
ion minor":0}
{"model id": "c543d69a45764abab500b441733b58cb", "version major": 2, "vers
ion minor":0}
{"model id": "3bef4059004f4d228d5526449dc49428", "version major": 2, "vers
ion minor":0}
{"model id": "867d6a6e16a44a8e81a101180ae90291", "version major": 2, "vers
ion minor":0}
{"model id": "944030586b0945ec87fc69d3491318e5", "version major": 2, "vers
ion minor":0}
```

```
{"model id": "fa7a049131d449f9a65f2db9c02bf150", "version major": 2, "vers
ion minor":0}
!pip install datasets
Collecting datasets
  Downloading datasets-3.2.0-py3-none-any.whl.metadata (20 kB)
Requirement already satisfied: filelock in
/usr/local/lib/python3.10/dist-packages (from datasets) (3.16.1)
Requirement already satisfied: numpy>=1.17 in
/usr/local/lib/python3.10/dist-packages (from datasets) (1.26.4)
Requirement already satisfied: pyarrow>=15.0.0 in
/usr/local/lib/python3.10/dist-packages (from datasets) (17.0.0)
Collecting dill<0.3.9,>=0.3.0 (from datasets)
  Downloading dill-0.3.8-py3-none-any.whl.metadata (10 kB)
Requirement already satisfied: pandas in
/usr/local/lib/python3.10/dist-packages (from datasets) (2.2.2)
Requirement already satisfied: requests>=2.32.2 in
/usr/local/lib/python3.10/dist-packages (from datasets) (2.32.3)
Requirement already satisfied: tgdm>=4.66.3 in
/usr/local/lib/python3.10/dist-packages (from datasets) (4.67.1)
Collecting xxhash (from datasets)
  Downloading xxhash-3.5.0-cp310-cp310-
manylinux 2 17 x86 64.manylinux2014 x86 64.whl.metadata (12 kB)
Collecting multiprocess<0.70.17 (from datasets)
  Downloading multiprocess-0.70.16-py310-none-any.whl.metadata (7.2
Collecting fsspec<=2024.9.0,>=2023.1.0 (from
fsspec[http]<=2024.9.0,>=2023.1.0->datasets)
  Downloading fsspec-2024.9.0-py3-none-any.whl.metadata (11 kB)
Requirement already satisfied: aiohttp in
/usr/local/lib/python3.10/dist-packages (from datasets) (3.11.10)
Requirement already satisfied: huggingface-hub>=0.23.0 in
/usr/local/lib/python3.10/dist-packages (from datasets) (0.27.0)
Requirement already satisfied: packaging in
/usr/local/lib/python3.10/dist-packages (from datasets) (24.2)
Requirement already satisfied: pyyaml>=5.1 in
/usr/local/lib/python3.10/dist-packages (from datasets) (6.0.2)
Requirement already satisfied: aiohappyeyeballs>=2.3.0 in
/usr/local/lib/python3.10/dist-packages (from aiohttp->datasets)
(2.4.4)
Requirement already satisfied: aiosignal>=1.1.2 in
/usr/local/lib/python3.10/dist-packages (from aiohttp->datasets)
(1.3.2)
Requirement already satisfied: async-timeout<6.0,>=4.0 in
```

```
/usr/local/lib/python3.10/dist-packages (from aiohttp->datasets)
(4.0.3)
Requirement already satisfied: attrs>=17.3.0 in
/usr/local/lib/python3.10/dist-packages (from aiohttp->datasets)
(24.3.0)
Requirement already satisfied: frozenlist>=1.1.1 in
/usr/local/lib/python3.10/dist-packages (from aiohttp->datasets)
(1.5.0)
Requirement already satisfied: multidict<7.0,>=4.5 in
/usr/local/lib/python3.10/dist-packages (from aiohttp->datasets)
(6.1.0)
Requirement already satisfied: propcache>=0.2.0 in
/usr/local/lib/python3.10/dist-packages (from aiohttp->datasets)
Requirement already satisfied: yarl<2.0,>=1.17.0 in
/usr/local/lib/python3.10/dist-packages (from aiohttp->datasets)
(1.18.3)
Requirement already satisfied: typing-extensions>=3.7.4.3 in
/usr/local/lib/python3.10/dist-packages (from huggingface-hub>=0.23.0-
>datasets) (4.12.2)
Requirement already satisfied: charset-normalizer<4,>=2 in
/usr/local/lib/python3.10/dist-packages (from reguests>=2.32.2-
>datasets) (3.4.0)
Requirement already satisfied: idna<4,>=2.5 in
/usr/local/lib/python3.10/dist-packages (from requests>=2.32.2-
>datasets) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in
/usr/local/lib/python3.10/dist-packages (from requests>=2.32.2-
>datasets) (2.2.3)
Requirement already satisfied: certifi>=2017.4.17 in
/usr/local/lib/python3.10/dist-packages (from requests>=2.32.2-
>datasets) (2024.12.14)
Requirement already satisfied: python-dateutil>=2.8.2 in
/usr/local/lib/python3.10/dist-packages (from pandas->datasets)
(2.8.2)
Requirement already satisfied: pytz>=2020.1 in
/usr/local/lib/python3.10/dist-packages (from pandas->datasets)
(2024.2)
Requirement already satisfied: tzdata>=2022.7 in
/usr/local/lib/python3.10/dist-packages (from pandas->datasets)
(2024.2)
Requirement already satisfied: six>=1.5 in
/usr/local/lib/python3.10/dist-packages (from python-dateutil>=2.8.2-
>pandas->datasets) (1.17.0)
Downloading datasets-3.2.0-py3-none-any.whl (480 kB)
                                      - 480.6/480.6 kB 8.3 MB/s eta
0:00:00
                                       - 116.3/116.3 kB 8.7 MB/s eta
0:00:00
```

```
- 179.3/179.3 kB 14.3 MB/s eta
0:00:00
ultiprocess-0.70.16-py310-none-any.whl (134 kB)
                                     —— 134.8/134.8 kB 11.2 MB/s eta
0:00:00
anylinux 2 17 x86 64.manylinux2014 x86 64.whl (194 kB)
                                       - 194.1/194.1 kB 13.8 MB/s eta
0:00:00
ultiprocess, datasets
 Attempting uninstall: fsspec
    Found existing installation: fsspec 2024.10.0
    Uninstalling fsspec-2024.10.0:
      Successfully uninstalled fsspec-2024.10.0
ERROR: pip's dependency resolver does not currently take into account
all the packages that are installed. This behaviour is the source of
the following dependency conflicts.
gcsfs 2024.10.0 requires fsspec==2024.10.0, but you have fsspec
2024.9.0 which is incompatible.
Successfully installed datasets-3.2.0 dill-0.3.8 fsspec-2024.9.0
multiprocess-0.70.16 xxhash-3.5.0
!pip install python-dotenv
Collecting python-dotenv
  Downloading python_dotenv-1.0.1-py3-none-any.whl.metadata (23 kB)
Downloading python dotenv-1.0.1-py3-none-any.whl (19 kB)
Installing collected packages: python-dotenv
Successfully installed python-dotenv-1.0.1
from transformers import AutoTokenizer, AutoModelForCausalLM
# Load the pre-trained model and tokenizer
model_name = "EleutherAI/gpt-neo-1.3B" # Larger model for better
generation
tokenizer = AutoTokenizer.from pretrained(model name)
model = AutoModelForCausalLM.from pretrained(model name)
# Add a padding token to the tokenizer
if tokenizer.pad_token is None:
    tokenizer.add special tokens({'pad token': '[PAD]'})
    model.resize token embeddings(len(tokenizer)) # Resize model
embeddings to include the new token
def generate kids story offline(keywords, max length=300,
temperature=0.8):
    Generate a short, simple kids' story using a large offline
language model.
```

```
Args:
        keywords (list): List of keywords for the story.
        max length (int): Maximum length of the generated story.
        temperature (float): Creativity factor in generation.
    Returns:
        str: A kids' story with clear paragraphs and a happy ending.
    # Create a prompt with clear instructions
    prompt = (
        f"Write a short and simple story for kids using these words:
{', '.join(keywords)}. "
        "Make it fun, easy to read, and include a beginning, middle,
and happy ending. "
        "Divide the story into paragraphs."
    # Encode the prompt
    inputs = tokenizer(prompt, return tensors="pt", padding=True,
truncation=True)
    # Generate the story
    outputs = model.generate(
        inputs.input ids,
        max length=max length,
        temperature=temperature,
        top k=50,
        top_p=0.95,
        pad token id=tokenizer.eos token id,
        do sample=True,
        no repeat ngram size=2
    )
    # Decode and format the story
    story = tokenizer.decode(outputs[0], skip special tokens=True)
    # Extract the actual story (after the prompt)
    story content = story.split("Write a short and simple story for
kids", 1)[-1].strip()
    paragraphs = story_content.split('. ')
    formatted_story = "\n\n".join([" ".join(paragraphs[i:i + 2]) for i
in range(0, len(paragraphs), 2)])
    return formatted story
# Example keywords
keywords = ["castle", "dragon", "princess", "friendship"]
# Generate the story
```

```
kids_story = generate_kids_story_offline(keywords)
print("Generated Kids' Story:\n")
print(kids_story)
```

The new embeddings will be initialized from a multivariate normal distribution that has old embeddings' mean and covariance. As described in this article: https://nlp.stanford.edu/~johnhew/vocab-expansion.html. To disable this, use `mean\_resizing=False` 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 observe unexpected behavior. Please pass your input's `attention\_mask` to obtain reliable results.

Generated Kids' Story:

using these words: castle, dragon, princess, friendship Make it fun, easy to read, and include a beginning, middle, and happy ending

Divide the story into paragraphs Share your story with the kids by telling them the different parts of the castle.

"One day you will find out that the prince is not a bad guy

He is really good at what he does and he has good friends."
- 'Princess,' by Alina F Martin
A fairy tale, Cinderella

The story of a princess who gets a prince and his evil stepsister She is taken to a castle and told that her prince will marry her

When they arrive, they discover that she is in fact a fairy They are separated and the princess is sent to live with her wicked stepmother, the wicked witch

As the witch plans to get rid of her, she has the help of an evil fairy and three evil knights One knight is the evil one, while the other two are the good knights and they are all planning to help the witches plan to take the royal princess away

Their plan is to save the kingdom from evil With each new twist in the plot, it,Äôs more and more difficult to figure out who is who

But when one of them is found out to be the king'#‡, everything changes and this story has a happy

from huggingface hub import login

# Replace this with your actual token
token = "hf\_sywy0PZZNCPFGbqFmamfBrmydfcpk0nslX"
login(token)

```
from transformers import AutoTokenizer, AutoModelForCausalLM, Trainer,
TrainingArguments
from datasets import load dataset
from huggingface hub import login
# Authenticate with Hugging Face
token = "hf sywyOPZZNCPFGbqFmamfBrmydfcpkOnslX"
login(token)
# Load the pre-trained model and tokenizer
model name = "EleutherAI/gpt-neo-1.3B"
tokenizer = AutoTokenizer.from pretrained(model name)
model = AutoModelForCausalLM.from pretrained(model name)
# Add a padding token to the tokenizer if necessary
if tokenizer.pad token is None:
    tokenizer.add_special_tokens({'pad_token': '[PAD]'})
    model.resize token embeddings(len(tokenizer))
# Load the TinyStories dataset
dataset = load dataset("roneneldan/TinyStories")
# Tokenize the dataset
def tokenize function(examples):
    return tokenizer(examples['text'], truncation=True,
padding="max length", max length=512)
tokenized_datasets = dataset.map(tokenize_function, batched=True)
# Split the dataset into train and validation sets
train dataset = tokenized datasets["train"]
validation dataset = tokenized datasets["validation"]
# Define training arguments
training args = TrainingArguments(
    output dir="./qpt neo finetuned tinystories",
    overwrite output dir=True,
    eval_strategy="epoch", # Updated to avoid deprecation warning
    learning rate=5e-5,
    weight decay=0.01,
    per device train batch size=4,
    per device eval batch size=4,
    num train epochs=3,
    save_strategy="epoch",
    save total limit=2,
    logging dir="./logs",
    logging steps=50,
    fp16=True, # Use mixed precision training for faster performance
    report to="none",
```

```
# Define a Trainer instance
trainer = Trainer(
    model=model,
    args=training args,
    train dataset=train dataset,
    eval dataset=validation dataset,
)
# Fine-tune the model
trainer.train()
# Save the fine-tuned model
trainer.save model("./gpt neo finetuned tinystories")
tokenizer.save pretrained("./gpt_neo_finetuned_tinystories")
print("Fine-tuning complete. Model saved to
'./gpt neo finetuned tinystories'")
/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
secret in your Google Colab and restart your session.
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(
The new embeddings will be initialized from a multivariate normal
distribution that has old embeddings' mean and covariance. As
described in this article: https://nlp.stanford.edu/~johnhew/vocab-
expansion.html. To disable this, use `mean resizing=False`
{"model id": "da0f257513f448af851aac66e5191845", "version major": 2, "vers
ion minor":0}
from transformers import AutoModelForCausalLM, AutoTokenizer
# Load the fine-tuned model
fine tuned model path = "./gpt neo finetuned tinystories"
model = AutoModelForCausalLM.from pretrained(fine tuned model path)
tokenizer = AutoTokenizer.from pretrained(fine tuned model path)
# Generate a sample story
def generate story(prompt, model, tokenizer, max length=100):
    inputs = tokenizer(prompt, return tensors="pt")
    outputs = model.generate(
        inputs.input ids,
        max length=max length,
```

```
num return sequences=1,
        do sample=True,
        temperature=0.7,
    return tokenizer.decode(outputs[0], skip special tokens=True)
# Example usage
keywords = ["castle", "dragon", "princess", "friendship"]
prompt = f"Once upon a time, {', '.join(keywords)},"
story = generate_story(prompt, model, tokenizer)
print("Generated Story:\n", story)
0SError
                                            Traceback (most recent call
last)
<ipython-input-6-daf76e48f88f> in <cell line: 0>()
      3 # Load the fine-tuned model
      4 fine tuned model path = "./gpt neo finetuned tinystories"
----> 5 model =
AutoModelForCausalLM.from pretrained(fine tuned model path)
      6 tokenizer =
AutoTokenizer.from pretrained(fine tuned model path)
/usr/local/lib/python3.11/dist-packages/transformers/models/auto/auto
factory.py in from pretrained(cls, pretrained model name or path,
*model args, **kwargs)
    562
                elif type(config) in cls. model mapping.keys():
    563
                     model class = get model class(config,
cls. model mapping)
--> 564
                     return model class.from pretrained(
                         pretrained model name or path, *model args,
config=config, **hub_kwargs, **kwargs
/usr/local/lib/python3.11/dist-packages/transformers/modeling utils.py
in from pretrained(cls, pretrained model name or path, config,
cache_dir, ignore_mismatched_sizes, force_download, local_files_only,
token, revision, use_safetensors, weights_only, *model_args, **kwargs)
   3777
   3778
                         else:
-> 3779
                             raise EnvironmentError(
   3780
                                  f"Error no file named
{ add variant(WEIGHTS NAME, variant)},
{ add variant(SAFE WEIGHTS NAME, variant)},"
                                  f" {TF2 WEIGHTS NAME},
   3781
{TF WEIGHTS NAME + '.index'} or {FLAX WEIGHTS NAME} found in
directory"
```

```
OSError: Error no file named pytorch model.bin, model.safetensors,
tf model.h5, model.ckpt.index or flax model.msgpack found in directory
./gpt neo finetuned tinystories.
from transformers import AutoModelForCausalLM, AutoTokenizer
# Load the fine-tuned model
fine tuned model path = "./gpt neo finetuned tinystories"
model = AutoModelForCausalLM.from pretrained(fine tuned model path) #
Define model in global scope
tokenizer = AutoTokenizer.from_pretrained(fine_tuned_model_path) #
Define tokenizer in global scope
# Generate a sample story
def generate story(prompt, max length=100): # Removed model and
tokenizer as arguments
    inputs = tokenizer(prompt, return_tensors="pt")
    outputs = model.generate( # Using model from global scope
        inputs.input ids,
        max length=max length,
        num return sequences=1,
        do sample=True,
        temperature=0.7,
    return tokenizer.decode(outputs[0], skip special tokens=True) #
Using tokenizer from global scope
# Example usage
keywords = ["castle", "dragon", "princess", "friendship"]
prompt = f"Once upon a time, {', '.join(keywords)},"
story = generate story(prompt)
print("Generated Story:\n", story)
model.save pretrained("./gpt_neo_finetuned_tinystories")
tokenizer.save pretrained("./gpt neo finetuned tinystories")
0SError
                                           Traceback (most recent call
last)
<ipython-input-8-286d3e326164> in <cell line: 0>()
      3 # Load the fine-tuned model
      4 fine tuned model path = "./gpt neo finetuned tinystories"
----> 5 model =
AutoModelForCausalLM.from pretrained(fine tuned model path) # Define
model in global scope
      6 tokenizer =
AutoTokenizer.from pretrained(fine tuned model path) # Define
```

```
tokenizer in global scope
/usr/local/lib/python3.11/dist-packages/transformers/models/auto/auto
factory.py in from pretrained(cls, pretrained model name or path,
*model args, **kwargs)
    562
                elif type(config) in cls._model_mapping.keys():
    563
                    model class = get model class(config,
cls._model_mapping)
--> 564
                    return model class.from pretrained(
    565
                        pretrained model name or path, *model_args,
config=config, **hub kwargs, **kwargs
    566
/usr/local/lib/python3.11/dist-packages/transformers/modeling utils.py
in from pretrained(cls, pretrained model name or path, config,
cache dir, ignore mismatched sizes, force download, local files only,
token, revision, use safetensors, weights only, *model args, **kwargs)
   3777
   3778
                        else:
-> 3779
                            raise EnvironmentError(
                                f"Error no file named
   3780
{ add variant(WEIGHTS NAME, variant)},
{_add_variant(SAFE_WEIGHTS_NAME, variant)},"
                                f" {TF2 WEIGHTS NAME},
   3781
{TF WEIGHTS NAME + '.index'} or {FLAX WEIGHTS NAME} found in
directory"
OSError: Error no file named pytorch model.bin, model.safetensors,
tf model.h5, model.ckpt.index or flax model.msgpack found in directory
./gpt neo finetuned tinystories.
```