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from transformers import CLIPProcessor, CLIPModel

from PIL import Image

import torch


# Load model & processor

model = CLIPModel.from_pretrained("openai/clip-vit-base-patch32")

processor = CLIPProcessor.from_pretrained("openai/clip-vit-base-patch32")


# Load image

image = Image.open(r"C:\Users\ATIKA\Downloads\meme\images\images\image_9.jpg")


# Your meme categories

labels = ["a wholesome meme", "a political meme", "a dank meme", "a sarcastic meme", "a
relatable meme"]


# Process inputs

inputs = processor(text=labels, images=image, return_tensors="pt", padding=True)


# Forward pass

outputs = model(**inputs)

probs = outputs.logits_per_image.softmax(dim=1)

pred = labels[probs.argmax()]

print("Predicted class:", pred)
```