# %pip install llama-index-embeddings-huggingface

# %pip install llama-index-embeddings-instructor

# !pip install llama-index

import warnings

# Suppress specific FutureWarnings

warnings.filterwarnings("ignore", category=FutureWarning, module="huggingface\_hub")

from llama\_index.embeddings.huggingface import HuggingFaceEmbedding

# Assuming the HuggingFaceEmbedding class and methods are correctly defined and imported

# Initialize the embedding model with the desired Hugging Face model

embed\_model = HuggingFaceEmbedding(model\_name="BAAI/bge-small-en-v1.5")

# List of product descriptions

product\_descriptions = [

"Under colors of Benetton Men White Boxer Trunks",

"Turtle Men Check Red Shirt",

"United Colors of Benetton Men White Check Shirt",

"United Colors of Benetton Men Check White Shirts",

"Wrangler Men Broad Blue Shirt"

]

# Iterate over each product description

for i, product\_desc in enumerate(product\_descriptions, start=1):

# Get embeddings for the current product description

embeddings = embed\_model.get\_text\_embedding(product\_desc)

# Format the embeddings to a specific format, e.g., printing the first 5 elements

formatted\_embeddings = '[' + ', '.join(f"{emb:.16f}" for emb in embeddings[:5]) + ']'

# Prepare and print the output in the specified format

output = f"{i},{product\_desc},{formatted\_embeddings}"

print(output)