```
pip install deepeval torch transformers sentence-transformers openai datasets
```

Collecting deepeval
   Downloading deepeval-2.6.4-py3-none-any.whl.metadata (15 kB)
Requirement already satisfied: torch in /usr/local/lib/python3.11/dist-packages (2.6.0+cu124)
Requirement already satisfied: transformers in /usr/local/lib/python3.11/dist-packages (4.49.0)
Requirement already satisfied: sentence-transformers in /usr/local/lib/python3.11/dist-packages (3.4.1)
Requirement already satisfied: openai in /usr/local/lib/python3.11/dist-packages (1.66.3)
Collecting datasets
   Downloading datasets-3.4.1-py3-none-any.whl.metadata (19 kB)
Requirement already satisfied: aiohttp in /usr/local/lib/python3.11/dist-packages (from deepeval) (3.11.14)
Collecting black (from deepeval)
   Downloading black-25.1.0-cp311-cp311-manylinux_2_17_x86_64.manylinux2014_x86_64.manylinux_2_28_x86_64.whl.metadata (8:
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Collecting coverage (from deepeval)
   Downloading coverage-7.7.1-cp311-cp311-manylinux_2_5_x86_64.manylinux1_x86_64.manylinux_2_17_x86
Requirement already satisfied: grpcio<2.0.0,≥1.67.1 in /usr/local/lib/python3.11/dist-packages (from deepeval) (1.71.0)
Collecting instructor (from deepeval)
   Downloading instructor-1.7.7-py3-none-any.whl.metadata (22 kB)
Collecting langchain_community (from deepeval)
   Downloading langchain_community-0.3.20-py3-none-any.whl.metadata (2.4 kB)
Collecting langchain_openai (from deepeval)
   Downloading langchain_openai-0.3.9-py3-none-any.whl.metadata (2.3 kB)
Collecting llama-index (from deepeval)
   Downloading llama_index-0.12.25-py3-none-any.whl.metadata (12 kB)
Collecting ollama (from deepeval)
   Downloading ollama-0.4.7-py3-none-any.whl.metadata (4.7 kB)
Requirement already satisfied: opentelemetry-api<2.0.0,≥1.24.0 in /usr/local/lib/python3.11/dist-packages (from deepeva
Collecting opentelemetry-exporter-otlp-proto-grpc<2.0.0,≥1.24.0 (from deepeval)
   Downloading opentelemetry_exporter_otlp_proto_grpc-1.31.1-py3-none-any.whl.metadata (2.5 kB)
Requirement already satisfied: opentelemetry-sdk<2.0.0,≥1.24.0 in /usr/local/lib/python3.11/dist-packages (from deepeva
Collecting portalocker (from deepeval)
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Requirement already satisfied: pytest in /usr/local/lib/python3.11/dist-packages (from deepeval) (8.3.5)
Collecting pytest-asyncio (from deepeval)
   Downloading pytest_asyncio-0.25.3-py3-none-any.whl.metadata (3.9 kB)
Collecting pytest-repeat (from deepeval)
   Downloading pytest_repeat-0.9.3-py3-none-any.whl.metadata (4.9 kB)
Collecting pytest-rerunfailures<13.0,≥12.0 (from deepeval)
   Downloading pytest_rerunfailures-12.0-py3-none-any.whl.metadata (18 kB)
Collecting pytest-xdist (from deepeval)
   Downloading pytest_xdist-3.6.1-py3-none-any.whl.metadata (4.3 kB)
Requirement already satisfied: requests<3.0.0,≥2.31.0 in /usr/local/lib/python3.11/dist-packages (from deepeval) (2.32
Requirement already satisfied: rich<14.0.0,≥13.6.0 in /usr/local/lib/python3.11/dist-packages (from deepeval) (13.9.4)
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Requirement already satisfied: setuptools in /usr/local/lib/python3.11/dist-packages (from deepeval) (75.1.0)
Requirement already satisfied: tabulate<0.10.0,≥0.9.0 in /usr/local/lib/python3.11/dist-packages (from deepeval) (0.9.0
Requirement already satisfied: tenacity≤9.0.0 in /usr/local/lib/python3.11/dist-packages (from deepeval) (9.0.0)
Requirement already satisfied: tqdm<5.0.0,≥4.66.1 in /usr/local/lib/python3.11/dist-packages (from deepeval) (4.67.1)
Collecting twine≡5.1.1 (from deepeval)
   Downloading twine-5.1.1-py3-none-any.whl.metadata (3.5 kB)
Requirement already satisfied: typer in /usr/local/lib/python3.11/dist-packages (from deepeval) (0.15.2)
Requirement already satisfied: wheel in /usr/local/lib/python3.11/dist-packages (from deepeval) (0.45.1)
Collecting pkginfo≥1.8.1 (from twine≡5.1.1→deepeval)
   Downloading pkginfo-1.12.1.2-py3-none-any.whl.metadata (13 kB)
Collecting readme-renderer≥35.0 (from twine≡5.1.1→deepeval)
   Downloading readme_renderer-44.0-py3-none-any.whl.metadata (2.8 kB)
Requirement already satisfied: requests-toolbelt≠0.9.0,≥0.8.0 in /usr/local/lib/python3.11/dist-packages (from twine≡
Requirement already satisfied: urllib3≥1.26.0 in /usr/local/lib/python3.11/dist-packages (from twine≡5.1.1→deepeval)
Requirement already satisfied: importlib-metadata≥3.6 in /usr/local/lib/python3.11/dist-packages (from twine≡5.1.1→d

```
pip install langgraph
```

Collecting langgraph
   Downloading langgraph-0.3.18-py3-none-any.whl.metadata (7.5 kB)
Requirement already satisfied: langchain-core<0.4,≥0.1 in /usr/local/lib/python3.11/dist-packages (from langgraph) (0.3.
Collecting langgraph-checkpoint<3.0.0,≥2.0.10 (from langgraph)
   Downloading langgraph_checkpoint-2.0.21-py3-none-any.whl.metadata (4.6 kB)
Collecting langgraph-prebuilt<0.2,≥0.1.1 (from langgraph)
   Downloading langgraph_prebuilt-0.1.4-py3-none-any.whl.metadata (5.0 kB)
Collecting langgraph-sdk<0.2.0,≥0.1.42 (from langgraph)
   Downloading langgraph_sdk-0.1.58-py3-none-any.whl.metadata (1.8 kB)
Requirement already satisfied: langsmith<0.4,≥0.1.125 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.
Requirement already satisfied: tenacity≠8.4.0,<10.0.0,≥8.1.0 in /usr/local/lib/python3.11/dist-packages (from langchain
Requirement already satisfied: jsonpatch<2.0,≥1.33 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4,≥
Requirement already satisfied: PyYAML≥5.3 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4,≥0.1→lan
Requirement already satisfied: packaging<25,≥23.2 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4,≥
Requirement already satisfied: typing-extensions≥4.7 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4
Requirement already satisfied: pydantic<3.0.0,≥2.5.2 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4
Requirement already satisfied: msgpack<2.0.0,≥1.1.0 in /usr/local/lib/python3.11/dist-packages (from langgraph-checkpoin
Requirement already satisfied: httpx≥0.25.2 in /usr/local/lib/python3.11/dist-packages (from langgraph-sdk<0.2.0,≥0.1.4
Requirement already satisfied: orjson≥3.10.1 in /usr/local/lib/python3.11/dist-packages (from langgraph-sdk<0.2.0,≥0.1.

```
Requirement already satisfied: anyio in /usr/local/lib/python3.11/dist-packages (from httpx≥0.25.2→langgraph-sdk<0.2.0,
Requirement already satisfied: certifi in /usr/local/lib/python3.11/dist-packages (from httpx≥0.25.2→langgraph-sdk<0.2.
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Requirement already satisfied: idna in /usr/local/lib/python3.11/dist-packages (from httpx≥0.25.2→langgraph-sdk<0.2.0,≥
Requirement already satisfied: h11<0.15,≥0.13 in /usr/local/lib/python3.11/dist-packages (from httpcore══1.*→httpx≥0.2
Requirement already satisfied: jsonpointer≥1.9 in /usr/local/lib/python3.11/dist-packages (from jsonpatch<2.0,≥1.33→la
Requirement already satisfied: requests<3,≥2 in /usr/local/lib/python3.11/dist-packages (from langsmith<0.4,≥0.1.125→l
Requirement already satisfied: requests-toolbelt<2.0.0,≥1.0.0 in /usr/local/lib/python3.11/dist-packages (from langsmith
Requirement already satisfied: zstandard<0.24.0,≥0.23.0 in /usr/local/lib/python3.11/dist-packages (from langsmith<0.4,≥
Requirement already satisfied: annotated-types≥0.6.0 in /usr/local/lib/python3.11/dist-packages (from pydantic<3.0.0,≥2
Requirement already satisfied: pydantic-core══2.27.2 in /usr/local/lib/python3.11/dist-packages (from pydantic<3.0.0,≥2.
Requirement already satisfied: charset-normalizer<4,≥2 in /usr/local/lib/python3.11/dist-packages (from requests<3,≥2→
Requirement already satisfied: urllib3<3,≥1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests<3,≥2→langsm
Requirement already satisfied: sniffio≥1.1 in /usr/local/lib/python3.11/dist-packages (from anyio→httpx≥0.25.2→langgr
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                                             136.5/136.5 kB 10.2 MB/s eta 0:00:00
Downloading langgraph_checkpoint-2.0.21-py3-none-any.whl (41 kB)
                                             41.2/41.2 kB 3.7 MB/s eta 0:00:00
Downloading langgraph_prebuilt-0.1.4-py3-none-any.whl (24 kB)
Downloading langgraph_sdk-0.1.58-py3-none-any.whl (46 kB)
                                             46.5/46.5 kB 4.7 MB/s eta 0:00:00
Installing collected packages: langgraph-sdk, langgraph-checkpoint, langgraph-prebuilt, langgraph
Successfully installed langgraph-0.3.18 langgraph-checkpoint-2.0.21 langgraph-prebuilt-0.1.4 langgraph-sdk-0.1.58
```

```
pip install pymupdf
```

```
Collecting pymupdf
    Downloading pymupdf-1.25.4-cp39-abi3-manylinux2014_x86_64.manylinux_2_17_x86_64.whl.metadata (3.4 kB)
    Downloading pymupdf-1.25.4-cp39-abi3-manylinux2014_x86_64.manylinux_2_17_x86_64.whl (20.0 MB)
                                             20.0/20.0 MB 99.3 MB/s eta 0:00:00
Installing collected packages: pymupdf
Successfully installed pymupdf-1.25.4
```

```
pip install pydantic
```

```
Requirement already satisfied: pydantic in /usr/local/lib/python3.11/dist-packages (2.10.6)
Requirement already satisfied: annotated-types≥0.6.0 in /usr/local/lib/python3.11/dist-packages (from pydantic) (0.7.0)
Requirement already satisfied: pydantic-core══2.27.2 in /usr/local/lib/python3.11/dist-packages (from pydantic) (2.27.2)
Requirement already satisfied: typing-extensions≥4.12.2 in /usr/local/lib/python3.11/dist-packages (from pydantic) (4.12
```

```
pip install pandas openpyxl
```

```
Requirement already satisfied: pandas in /usr/local/lib/python3.11/dist-packages (2.2.2)
Requirement already satisfied: openpyxl in /usr/local/lib/python3.11/dist-packages (3.1.5)
Requirement already satisfied: numpy≥1.23.2 in /usr/local/lib/python3.11/dist-packages (from pandas) (2.0.2)
Requirement already satisfied: python-dateutil≥2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas) (2.8.2)
Requirement already satisfied: pytz≥2020.1 in /usr/local/lib/python3.11/dist-packages (from pandas) (2025.1)
Requirement already satisfied: tzdata≥2022.7 in /usr/local/lib/python3.11/dist-packages (from pandas) (2025.1)
Requirement already satisfied: et-xmlfile in /usr/local/lib/python3.11/dist-packages (from openpyxl) (2.0.0)
Requirement already satisfied: six≥1.5 in /usr/local/lib/python3.11/dist-packages (from python-dateutil≥2.8.2→pandas)
```

```
import os
import openai

os.environ["OPENAI_API_KEY"] = 'sk-proj-KP0_jRkwjRJVGF5cm4cvIzysl-6sdf0d3QxoN2pEZYqk6SeUMM3VA-ROsZTnKwF-vjxmvPgZTZT3BlbkFJhoI
openai.api_key = os.getenv("OPENAI_API_KEY")


from google.colab import drive
drive.mount('/content/drive')


folder_path = "/content/drive/My Drive/GenAI/policy docs"
file_names = os.listdir(folder_path)
pdf_files = [f for f in file_names if f.endswith('.pdf')]

print(pdf_files)
```

```
Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount
['FR_Y-11I20011214_i.pdf', 'FR_Y-11Q20020923_i.pdf', 'FR_Y-12A20231231_i.pdf', 'FR_Y-1520221231_i.pdf', 'FR_Y-1620161231_
```

```
from langchain_community.document_loaders import PyMuPDFLoader
from langchain_text_splitters import TokenTextSplitter

text_splitter = TokenTextSplitter(chunk_size=1024, chunk_overlap=0)
pdf_content = ""
```

```python
loader = PyMuPDFLoader("test_data_excel.pdf")
data = loader.load()
pages = len(data)

for x in range(pages):
    pdf_content = pdf_content + data[x].page_content

print(len(pdf_content))
```

```
757940
```

```python
from sentence_transformers import SentenceTransformer
from langchain_openai import OpenAIEmbeddings
from langchain.text_splitter import RecursiveCharacterTextSplitter

text_splitter = RecursiveCharacterTextSplitter(chunk_size = 300,chunk_overlap = 50, length_function = len )
split_pdf_content = text_splitter.create_documents([pdf_content])

embedding_model = OpenAIEmbeddings(api_key=openai.api_key)
content = [rc.page_content for rc in split_pdf_content]
embeddings = embedding_model.embed_documents(content)


import random
import re
import numpy as np
from langchain_openai import ChatOpenAI
from pydantic import BaseModel
from transformers import pipeline
from typing import Optional, List
import pandas as pd
import os
from openpyxl import load_workbook
import heapq
# Load model directly

for i in range(0, 4000):
    reference_index = random.randint(0, len(embeddings) - 1)
    reference_embedding = embeddings[reference_index]
    contexts = [content[reference_index]]



    similarity_threshold = 0.85
    similarity_scores = []
    for i, embedding in enumerate(embeddings):
        product = np.dot(reference_embedding, embedding)
        norm = np.linalg.norm(reference_embedding) * np.linalg.norm(embedding)
        similarity = product / norm
        if similarity ≥ similarity_threshold:
            similarity_scores.append((similarity, i))

    # Select top 3-5 most relevant contexts
    top_k = 5  # Adjust this number based on experimentation
    top_k_indices = [idx for _, idx in heapq.nlargest(top_k, similarity_scores)]

    # Use only the top-k most similar contexts
    contexts = [content[i] for i in top_k_indices]


    # Evolution prompt templates as strings
    multi_context_template = """
    I want you to rewrite the given `input` so that it requires readers to use information from all elements in `Context`.

    1. `Input` should require information from all `Context` elements.
    2. `Rewritten Input` must be concise and fully answerable from `Context`.
    3. Do not use phrases like 'based on the provided context.'
    4. `Rewritten Input` should not exceed 15 words.
    5. Do not use phrases like "The response generated by the model"
    6. Do not use phrases like "Sorry"

    Context: {context}
    Input: {original_input}
    Rewritten Input:
    """
```

```python
reasoning_template = """
I want you to rewrite the given `input` so that it explicitly requests multi-step reasoning.

1. `Rewritten Input` should require multiple logical connections or inferences.
2. `Rewritten Input` should be concise and understandable.
3. Do not use phrases like 'based on the provided context.'
4. `Rewritten Input` must be fully answerable from `Context`.
5. `Rewritten Input` should not exceed 15 words.
6. Do not use phrases like "The response generated by the model"
7. Do not use phrases like "Sorry"

Context: {context}
Input: {original_input}
Rewritten Input:
"""

hypothetical_scenario_template = """
I want you to rewrite the given `input` to incorporate a hypothetical or speculative scenario.

1. `Rewritten Input` should encourage applying knowledge from `Context` to deduce outcomes.
2. `Rewritten Input` should be concise and understandable.
3. Do not use phrases like 'based on the provided context.'
4. `Rewritten Input` must be fully answerable from `Context`.
5. `Rewritten Input` should not exceed 15 words.
6. Do not use phrases like "The response generated by the model"
7. Do not use phrases like "Sorry"

Context: {context}
Input: {original_input}
Rewritten Input:
"""




example_generated_query = "What rules are mentioned for Capital Assessments and Stress Testing  under Report FR Y-14Q"
context = contexts
original_input = example_generated_query
evolution_templates = [multi_context_template, reasoning_template, hypothetical_scenario_template]

# Number of evolution steps to apply
num_evolution_steps = 3

# Function to perform random evolution steps
def evolve_query(original_input, context, steps):
    current_input = original_input
    for _ in range(steps):
        # Choose a random (or using custom logic) template from the list
        chosen_template = random.choice(evolution_templates)
        # Replace the placeholders with the current context and input
        evolved_prompt = chosen_template.replace("{context}", str(context)).replace("{original_input}", str(current_input
        # Update the current input with the "Rewritten Input" section
        current_input = ChatOpenAI(model_name="gpt-3.5-turbo",openai_api_key=openai.api_key, max_completion_tokens=20).in

    return current_input

# Evolve the input by randomly selecting the evolution type
evolved_query = evolve_query(original_input, context, num_evolution_steps)

expected_output_template = """
I want you to generate an answer for the given `input`. This answer has to be factually aligned to the provided context.

Context: {context}
Input: {evolved_query}
Answer:
"""

# Fill in the values
prompt = expected_output_template.replace("{context}", str(context)).replace("{evolved_query}", str(evolved_query))

# Generate expected output
expected_output = ChatOpenAI(model_name="gpt-3.5-turbo",openai_api_key=openai.api_key).invoke(prompt)


class SyntheticData(BaseModel):
  query: str
```

```python
    expected_output: Optional[str]
    context: List[str]

synthetic_data = SyntheticData(
    query=str(evolved_query),
    expected_output=str(expected_output),
    context=context
)

# Simple implementation of synthetic dataset
synthetic_dataset = []
synthetic_dataset.append(synthetic_data)


print("Question is " + synthetic_dataset[0].query)
print("Answer is " + synthetic_dataset[0].expected_output)
match = re.search(r'content=[\'"](.+?)[\'"]\s+additional_kwargs=', synthetic_dataset[0].query)
question = match.group(1)

match = re.search(r'content=[\'"](.+?)[\'"]\s+additional_kwargs=', synthetic_dataset[0].expected_output)
answer = match.group(1)


# File and sheet name
file_path = "/test_data.xlsx"
sheet_name = "Sheet1"

# New data to be added
new_data = pd.DataFrame({
    "Question": [question],  # Ensure 'question' is defined before
    "Answer": [answer]       # Ensure 'answer' is defined before
})

if not os.path.exists(file_path):
    # Create a new file if it doesn't exist
    with pd.ExcelWriter(file_path, engine="openpyxl") as writer:
        new_data.to_excel(writer, sheet_name=sheet_name, index=False)
    print("New Excel file created.")
else:
    # Load existing workbook
    book = load_workbook(file_path)

    # Open ExcelWriter with append mode
    with pd.ExcelWriter(file_path, engine="openpyxl", mode="a", if_sheet_exists="overlay") as writer:
        if sheet_name in writer.sheets:
            start_row = writer.sheets[sheet_name].max_row  # Find the last row
        else:
            start_row = 0  # If the sheet doesn't exist, start from the first row

        new_data.to_excel(writer, sheet_name=sheet_name, index=False, header=False, startrow=start_row)


    print("Existing Excel file updated.")
```

Question is content='How are corporate loans and leases in the syndicated pipeline managed for FR Y-14Q?' additional_kwa
Answer is content='Corporate loans and leases in the syndicated pipeline are managed by reporting the date on which the
Existing Excel file updated.
Question is content='What is needed to report average balance and rate for FR Y-9C items?' additional_kwargs={'refusal'
Answer is content='To report the average balance and rate for FR Y-9C items, you would need to refer to specific line i
Existing Excel file updated.
Question is content='Predict the impact of Capital Assessments and Stress Testing regulations on financial institutions
Answer is content='The Capital Assessments and Stress Testing regulations have a significant impact on financial instit
Existing Excel file updated.
Question is content='How are various consumer loans classified in FR Y-9C line items on Schedule HC-C?' additional_kwarg
Answer is content='Various consumer loans are classified in FR Y-9C line items on Schedule HC-C based on specific crite
Existing Excel file updated.
Question is content='How would specific Capital Assessments impact Stress Testing requirements in FR Y-14Q?' additional_
Answer is content='Specific Capital Assessments can impact Stress Testing requirements in FR Y-14Q by influencing the ca
Existing Excel file updated.
Question is content='How do gains/losses on sale affect the outcome of domestic mortgage originations?' additional_kwarg
Answer is content='Gains and losses on the sale of domestic mortgages can significantly impact the outcome of mortgage
Existing Excel file updated.
Question is content='Explain how to report credit facility LGD and PD estimates using decimal format.' additional_kwargs
Answer is content="To report credit facility LGD and PD estimates using decimal format, you must follow these guidelines
Existing Excel file updated.
Question is content='How does FR Y-14Q integrate Capital Assessments and Stress Testing rules based on Context?' additio
Answer is content='FR Y-14Q integrates Capital Assessments and Stress Testing rules by incorporating various line items
Existing Excel file updated.
Question is content='List loans from FR Y-9C, Schedule HC-C based on specified line items.' additional_kwargs={'refusal
Answer is content='Based on the specified line items, you should list the loans included in FR Y-9C, Schedule HC-C as fo
Existing Excel file updated.
Question is content='Predict how reporting credit facility shifts impacts Y-14 schedules for compliance.' additional_kwa
Answer is content='Reporting credit facility shifts impacts Y-14 schedules for compliance by ensuring accurate and up-to
Existing Excel file updated.
Question is content='How are Capital Assessments and Stress Testing managed in Report FR Y-14Q in a hypothetical scenari
Answer is content='In Report FR Y-14Q, Capital Assessments and Stress Testing are managed by following specific guideli
Existing Excel file updated.
Question is content='Explain how reporting institutions segment product types in Report FR Y-14Q.' additional_kwargs={'r
Answer is content='Reporting institutions segment product types in Report FR Y-14Q by segmenting the portfolio into dif
Existing Excel file updated.
Question is content='Which loans on FR Y-14Q from Schedule HC-C involve non-owner-occupied properties?' additional_kwarg
Answer is content='Loans secured by non-owner-occupied properties are reported on FR Y-9C, Schedule HC-C, line 1.e.(2).
Existing Excel file updated.
Question is content='Which exposures from commodity indices should be included on the diversified worksheet?' additiona
Answer is content='The exposures from commodity indices that should be included on the diversified worksheet are those
Existing Excel file updated.
Question is content='Explain assumptions for stochastic and static LGD models, including rationale and documentation bre
Answer is content='The assumptions for stochastic LGD models include factors such as the LGD mean, volatility, and rati
Existing Excel file updated.
Question is content='How do rules on Capital Assessments and Stress Testing impact Report FR Y-14Q outcomes?' additiona
Answer is content='The rules on Capital Assessments and Stress Testing impact Report FR Y-14Q outcomes by ensuring that
Existing Excel file updated.
Question is content='How does noninterest income from Capital and ALM activities influence financial reporting outcomes
Answer is content="Noninterest income from Capital and ALM activities can significantly impact financial reporting outc
Existing Excel file updated.
Question is content='Specify the required key details for Capital Assessments in FR Y-14Q report regarding securities.'
Answer is content='In the FR Y-14Q report, the key details required for Capital Assessments regarding securities include
Existing Excel file updated.
Question is content='Explain how entities with specific asset thresholds report capital changes in stress testing.' add
Answer is content='Entities with specific asset thresholds report capital changes in stress testing by following the reg
Existing Excel file updated.
Question is content='Explain how FR Y-14Q reporting applies Capital Assessments and Stress Testing rules.' additional_k
Answer is content="FR Y-14Q reporting applies Capital Assessments and Stress Testing rules by requiring financial instit
Existing Excel file updated.
Question is content='How does supranational entities govern Capital Assessments and Stress Testing in report FR Y?' add
Answer is content='Supranational entities govern Capital Assessments and Stress Testing in report FR Y by adhering to th
Existing Excel file updated.
Question is content='Explain Capital Assessments and Stress Testing handling for FR Y-14Q in detail.' additional_kwargs
Answer is content="I'm sorry, but the input you provided is not related to the context given. If you have a specific que
Existing Excel file updated.
Question is content='How are credit protection and option exposures reported with speculative outcomes in FR Y-14Q?' ad
Answer is content='Credit protection and option exposures are reported in FR Y-14Q based on whether they are speculative
Existing Excel file updated.
Question is content='Explain how FR Y-14Q submissions incorporate Capital Assessments and Stress Testing.' additional_k
Answer is content='FR Y-14Q submissions incorporate Capital Assessments and Stress Testing by requiring reporting entit
Existing Excel file updated.
Question is content='Calculate cash discounts, trade discounts, returned sales, allowances, and expenses for financial
Answer is content='To calculate cash discounts, trade discounts, returned sales, allowances, and expenses for financial
Existing Excel file updated.
Question is content='How should Net CE reporting handle excess collateral for a given counterparty?' additional_kwargs=
Answer is content='Net CE reporting should handle excess collateral for a given counterparty by reflecting any excess co
Existing Excel file updated.
Question is content='How are credit facilities managed in default scenarios for Report FR Y-14Q?' additional_kwargs={'re
Answer is content='Credit facilities are managed in default scenarios by reporting all instances of involuntary payoff a
Existing Excel file updated.
Question is content='Explain the specific steps for reporting Capital Assessments in FR Y-14Q.' additional_kwargs={'refu
Answer is content='Reporting Capital Assessments in FR Y-14Q involves multiple steps. One important aspect is the report
Existing Excel file updated.