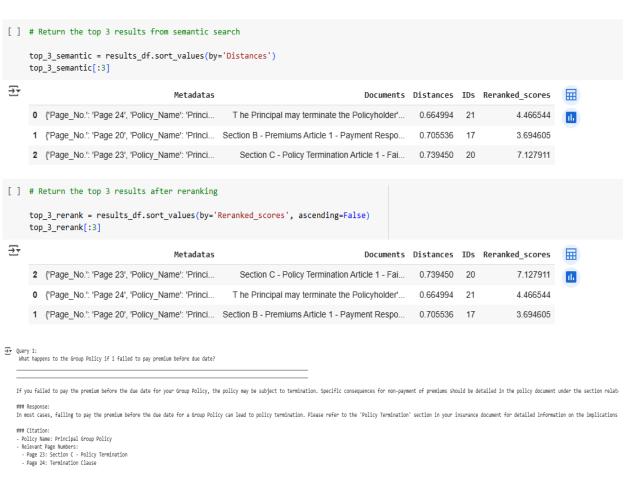# Screenshots of the outputs

Query#1:

```
[ ]  # Read the user query

     query = input()
```

```
⊟  What happens to the Group Policy if i failed to pay premium before due date?
```

Results: (Semantic Search, Reranked and LLM)

```
[ ]  # Return the top 3 results from semantic search

     top_3_semantic = results_df.sort_values(by='Distances')
     top_3_semantic[:3]
```

	Metadatas	Documents	Distances	IDs	Reranked_scores
0	{'Page_No.': 'Page 24', 'Policy_Name': 'Princi...	T he Principal may terminate the Policyholder'...	0.664994	21	4.466544
1	{'Page_No.': 'Page 20', 'Policy_Name': 'Princi...	Section B - Premiums Article 1 - Payment Respo...	0.705536	17	3.694605
2	{'Page_No.': 'Page 23', 'Policy_Name': 'Princi...	Section C - Policy Termination Article 1 - Fai...	0.739450	20	7.127911

```
[ ]  # Return the top 3 results after reranking

     top_3_rerank = results_df.sort_values(by='Reranked_scores', ascending=False)
     top_3_rerank[:3]
```

	Metadatas	Documents	Distances	IDs	Reranked_scores
2	{'Page_No.': 'Page 23', 'Policy_Name': 'Princi...	Section C - Policy Termination Article 1 - Fai...	0.739450	20	7.127911
0	{'Page_No.': 'Page 24', 'Policy_Name': 'Princi...	T he Principal may terminate the Policyholder'...	0.664994	21	4.466544
1	{'Page_No.': 'Page 20', 'Policy_Name': 'Princi...	Section B - Premiums Article 1 - Payment Respo...	0.705536	17	3.694605

```
⊟  Query 1:
   What happens to the Group Policy if i failed to pay premium before due date?
   _____
   _____

   If you failed to pay the premium before the due date for your Group Policy, the policy may be subject to termination. Specific consequences for non-payment of premiums should be detailed in the policy document under the section relate

   ### Response:
   In most cases, failing to pay the premium before the due date for a Group Policy can lead to policy termination. Please refer to the 'Policy Termination' section in your insurance document for detailed information on the implications

   ### Citation:
   - Policy Name: Principal Group Policy
   - Relevant Page Numbers:
     - Page 23: Section C - Policy Termination
     - Page 24: Termination Clause
```
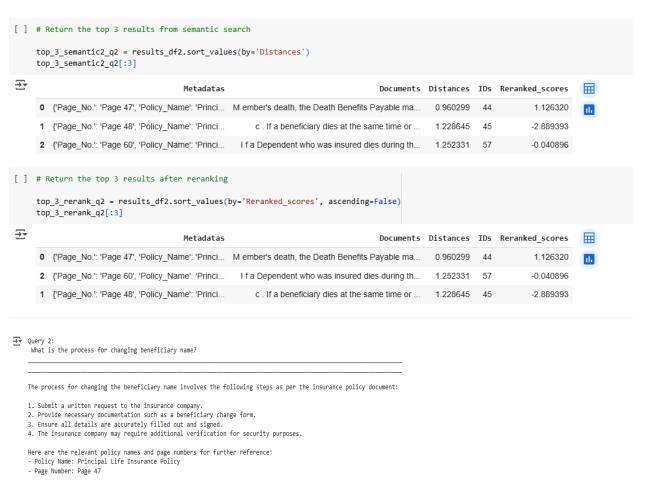
Query#2:

```
[ ]  # Read the user query

     query2 = input()
```

What is the process for changing beneficiary name?

Results: (Semantic Search, Reranked and LLM)

```
[ ]  # Return the top 3 results from semantic search

     top_3_semantic2_q2 = results_df2.sort_values(by='Distances')
     top_3_semantic2_q2[:3]
```

	Metadatas	Documents	Distances	IDs	Reranked_scores
0	{'Page_No.': 'Page 47', 'Policy_Name': 'Princi...	M ember's death, the Death Benefits Payable ma...	0.960299	44	1.126320
1	{'Page_No.': 'Page 48', 'Policy_Name': 'Princi...	c . If a beneficiary dies at the same time or ...	1.228645	45	-2.889393
2	{'Page_No.': 'Page 60', 'Policy_Name': 'Princi...	I f a Dependent who was insured dies during th...	1.252331	57	-0.040896

```
[ ]  # Return the top 3 results after reranking

     top_3_rerank_q2 = results_df2.sort_values(by='Reranked_scores', ascending=False)
     top_3_rerank_q2[:3]
```

	Metadatas	Documents	Distances	IDs	Reranked_scores
0	{'Page_No.': 'Page 47', 'Policy_Name': 'Princi...	M ember's death, the Death Benefits Payable ma...	0.960299	44	1.126320
2	{'Page_No.': 'Page 60', 'Policy_Name': 'Princi...	I f a Dependent who was insured dies during th...	1.252331	57	-0.040896
1	{'Page_No.': 'Page 48', 'Policy_Name': 'Princi...	c . If a beneficiary dies at the same time or ...	1.228645	45	-2.889393

Query 2:
What is the process for changing beneficiary name?
_____
_____

The process for changing the beneficiary name involves the following steps as per the insurance policy document:

1. Submit a written request to the insurance company.
2. Provide necessary documentation such as a beneficiary change form.
3. Ensure all details are accurately filled out and signed.
4. The insurance company may require additional verification for security purposes.

Here are the relevant policy names and page numbers for further reference:
- Policy Name: Principal Life Insurance Policy
- Page Number: Page 47

If you require more detailed information or specific instructions on the beneficiary name change process, please refer to the cited policy document on Page 47.

Query#3:

With different Query 3

```
[ ]  # Read the user query

     query3 = input()
```

What happens if the person insured is met with accident and lost his life?

Results: (Semantic Search, Reranked and LLM)

```
[ ]  # Return the top 3 results from semantic search

     top_3_semantic_q3 = results_df3.sort_values(by='Distances')
     top_3_semantic_q3[:3]
```

	Metadatas	Documents	Distances	IDs	Reranked_scores
0	{'Page_No.': 'Page 8', 'Policy_Name': 'Princip...	Section A - Member Life Insurance Schedule of ...	0.912667	5	-9.695113
1	{'Page_No.': 'Page 55', 'Policy_Name': 'Princi...	Exposure Exposure to the elements will be pres...	0.948261	52	-0.192670
2	{'Page_No.': 'Page 60', 'Policy_Name': 'Princi...	I f a Dependent who was insured dies during th...	1.030175	57	-4.976813

```
# Return the top 3 results after reranking

top_3_rerank_q3 = results_df3.sort_values(by='Reranked_scores', ascending=False)
top_3_rerank_q3[:3]
```

	Metadatas	Documents	Distances	IDs	Reranked_scores
1	{'Page_No.': 'Page 55', 'Policy_Name': 'Princi...	Exposure Exposure to the elements will be pres...	0.948261	52	-0.192670
2	{'Page_No.': 'Page 60', 'Policy_Name': 'Princi...	I f a Dependent who was insured dies during th...	1.030175	57	-4.976813
6	{'Page_No.': 'Page 49', 'Policy_Name': 'Princi...	Payment of benefits will be subject to the Ben...	1.079648	46	-6.647897

```
Query 3:
  What happens if the person insured is met with accident and lost his life?
  _____
  _____

  In the unfortunate event where the insured person meets with an accident and loses their life, the policy may provide benefits or payouts to the beneficiary or nominee as per the terms and conditions of the policy.

  Here is a summary of the relevant information extracted from the insurance documents:

  | Policy Name      | Page Number | Information                                                                 |
  |------------------|-------------|-----------------------------------------------------------------------------|
  | Principal Policy | Page 55     | Exposure to the elements, conditions for claim processing                   |
  | Principal Policy | Page 60     | Details about dependent coverage, including situations like the death of the insured dependent |
  | Principal Policy | Page 49     | Payment of benefits, conditions for receiving benefits                      |

  Please refer to the detailed sections mentioned above in the Principal Policy document for comprehensive information on the process to be followed in case of the insured person's demise due to an accident.

  Citations:
  - Principal Policy, Page 55
  - Principal Policy, Page 60
  - Principal Policy, Page 49
```