



Advanced Certificate Program in Generative AI - December 2023

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**HELPMATE AI SCREEN
SHORT**

Query 1 (query_1)

```
In [27]: # First the user query

query_1 = input()
print("=" * 120)
print("===== First the user query =====")
print("=" * 120)
print()
print()
print()
print(query_1)

=====
=====
===== First the user query =====
=====
```

What are the default benefits and provisions of the Group Policy?

Top 3 Results from the Search Layer

```
In [51]: # Return the top 3 results from search

top_3_search1 = results_df.sort_values(by='Distances')
top_3_search1[:3]
```

```
Out[51]:
```

	IDs	Documents	Distances	Metadatas	Reranked_scores
0	13	PART II - POLICY ADMINISTRATION Section A - Co...	0.8645804988670251	{'Page_No.': 'Page 16', 'Policy_Name': 'Princi...	-0.058542
1	16	T he Principal has complete discretion to cons...	0.884373824503724	{'Page_No.': 'Page 19', 'Policy_Name': 'Princi...	2.248036
2	14	a. be actively engaged in business for profit ...	0.9797316235128661	{'Page_No.': 'Page 17', 'Policy_Name': 'Princi...	-9.004519

Final Generated Answer from the Generation Layer

In [76]: `query_1`

Out[76]: 'What are the default benefits and provisions of the Group Policy?'

```
In [77]: # Generate the response - For Query 1

response = generate_response(query_1, top_3_INS_q1)
print("Query 1: ", "\n", query_1, "\n_____")

# Print the response

print("\n".join(response))
```

Query 1:
What are the default benefits and provisions of the Group Policy?

Based on the information available in the provided documents, here are the default benefits and provisions of the Group Policy:

Benefits and Provisions	Details
Principal Discretion	The Principal has complete discretion to consider and adjudicate all claims made under the Group Policy.

Citation:

- Policy Name: Principal Group Insurance Policy
- Page Number: Page 19

Kindly refer to the "Principal Group Insurance Policy" document on page 19 for detailed information on the default benefits and provisions of the Group Policy.

Query 2 (query_2)

```
In [33]: # Second the user query
query_2 = input()
print("=" * 120)
print("===== Second the user query =====")
print("=" * 120)
print()
print()
print()
print(query_2)

=====
=====
===== Second the user query =====
=====
```

What does it mean by 'the later of the Date of Issue'?

Top 3 Results from the Search Layer

```
In [61]: # Return the top 3 results from semantic search

top_3_search2_q2 = results_df2.sort_values(by='Distances')
top_3_search2_q2[:3]
```

```
Out[61]:
```

	IDs	Documents	Distances	Metadatas	Reranked_scores
0	26	Insurance for which Proof of Good Health is re...	1.2009958044232512	{'Page_No.': 'Page 29', 'Policy_Name': 'Princi...	-3.987046
1	24	I f a Member's Dependent is employed and is co...	1.2591369555234555	{'Page_No.': 'Page 27', 'Policy_Name': 'Princi...	-8.987309
2	18	b . on any date the definition of Member or De...	1.3327261234290393	{'Page_No.': 'Page 21', 'Policy_Name': 'Princi...	-6.471612

Final Generated Answer from the Generation Layer

```
In [79]: # Generate the response – For Query 2

response = generate_response(query_2, top_3_INS_q2)
print("Query 2: ", "\n", query_2, "\n_____")

# Print the response

print("\n".join(response))
```

Query 2:

What does it mean by 'the later of the Date of Issue'?

Based on the provided documents, the term "the later of the Date of Issue" typically refers to a specific date mentioned in an insurance policy that signifies a crucial milestone or starting point for certain policy-related actions or benefits. This date could be significant for determining coverage commencement, policy effective date, renewal period, claim filing deadlines, or other policy-specific events.

Unfortunately, the specific details regarding the term "the later of the Date of Issue" are not clearly defined in the extracted documents. It may vary based on the insurance policy under consideration. To gain a comprehensive understanding of this term within the context of a particular insurance policy, it is advisable to refer to the section in the policy document that discusses policy issuance, effective dates, or timelines related to policy benefits.

****Citations:****

- Policy Name: Principal Insurance Policy
 - Page No.: Page 29
 - Policy Name: Principal Insurance Policy
 - Page No.: Page 30
 - Policy Name: Principal Insurance Policy
 - Page No.: Page 31
-

Query 3 (query_3)

```
In [38]: # Third the user query
query_3 = input()
print("=" * 120)
print("===== Third the user query =====")
print("=" * 120)
print()
print()
print()
print(query_3)

=====
=====
===== Third the user query =====
=====
=====
```

What happens if a third-party service provider fails to provide the promised goods and services?

Top 3 Results from the Search Layer

```
In [62]: # 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]
```

```
Out [62]:
```

	IDs	Documents	Distances	Metadatas	Reranked_scores
0	26	Insurance for which Proof of Good Health is re...	1.2009958044232512	{'Page_No.': 'Page 29', 'Policy_Name': 'Princi...	-3.987046
8	27	(6) If, on the date a Member becomes eligible ...	1.4094431171516235	{'Page_No.': 'Page 30', 'Policy_Name': 'Princi...	-4.092899
3	28	Scheduled Benefit in force for the Member befo...	1.349086416261688	{'Page_No.': 'Page 31', 'Policy_Name': 'Princi...	-6.414862

Final Generated Answer from the Generation Layer

```
In [87]: # Generate the response – For Query 3

response3 = generate_response(query_3, top_3_INS_q3)
print("Query 3: ", "\n", query_3, "\n_____")

# Print the response

print("\n".join(response3))
```

Query 3:

What happens if a third-party service provider fails to provide the promised goods and services?

If a third-party service provider fails to provide the promised goods and services, the policy coverage and potential actions may vary depending on the insurance policy in place. Typically, there are provisions that address such scenarios. It's essential to review the specific policy document for detailed information on coverage and procedures to follow in case of such failures.

Citations:

1. Policy Name: Principal Group Insurance Policy
Page Number: Page 3

If you need more detailed information or specific steps to take in such situations, I recommend referring to the mentioned policy document sections.