Summary Report

Group 100

```
1. Amit Kumar Sharma      2023ac05454      100%

2. Mohammed Faisal Sait   2023aa05525      100%

3. Chachiya Faiz Arif     2023ac05420      100%

4. Parveen Kumar          2023ac05467      100%

5. Sachchinda Nand Singh  2023ac05002      100%
```
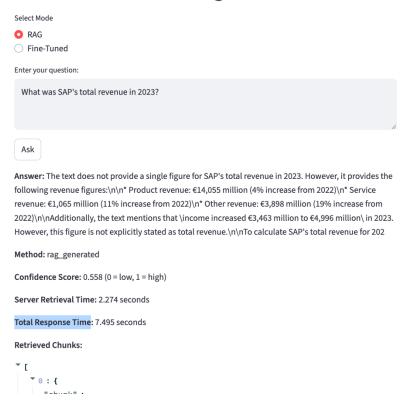
Question: What was SAP's total revenue in 2023?

Fine-tuned Model Response:
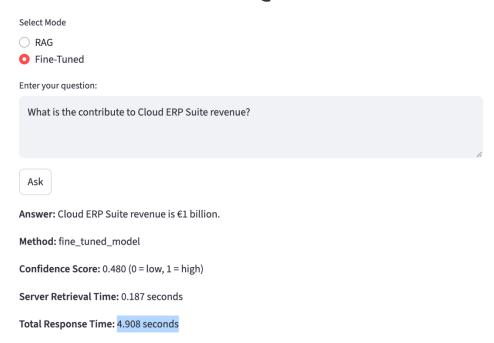
RAG & Fine-Tuned QA Interface

Select Mode
○ RAG
● Fine-Tuned

Enter your question:

What was SAP's total revenue in 2023?

Ask

Answer: €13.6 billion

Method: fine_tuned_model

Confidence Score: 0.488 (0 = low, 1 = high)

Server Retrieval Time: 0.141 seconds

Total Response Time: 6.241 seconds

RAG Response:

RAG & Fine-Tuned QA Interface

Select Mode

◉ RAG

○ Fine-Tuned

Enter your question:

What was SAP's total revenue in 2023?

Ask

Answer: The text does not provide a single figure for SAP's total revenue in 2023. However, it provides the following revenue figures:\n\n* Product revenue: €14,055 million (4% increase from 2022)\n* Service revenue: €1,065 million (11% increase from 2022)\n* Other revenue: €3,898 million (19% increase from 2022)\n\nAdditionally, the text mentions that \income increased €3,463 million to €4,996 million\ in 2023. However, this figure is not explicitly stated as total revenue.\n\nTo calculate SAP's total revenue for 202

Method: rag_generated

Confidence Score: 0.558 (0 = low, 1 = high)

Server Retrieval Time: 2.274 seconds

Total Response Time: 7.495 seconds

Retrieved Chunks:

```
▼ [
    ▼ 0 : {
        "chunk" :
```

Question: What is the contribute to Cloud ERP Suite revenue?

FT:

RAG & Fine-Tuned QA Interface

Select Mode

○ RAG

⦿ Fine-Tuned

Enter your question:

What is the contribute to Cloud ERP Suite revenue?

Ask

Answer: Cloud ERP Suite revenue is €1 billion.

Method: fine_tuned_model

Confidence Score: 0.480 (0 = low, 1 = high)

Server Retrieval Time: 0.187 seconds

Total Response Time: 4.908 seconds

RAG:

RAG & Fine-Tuned QA Interface

Select Mode

⦿ RAG

◯ Fine-Tuned

Enter your question:

What is the contribute to Cloud ERP Suite revenue?

Ask

Answer: SAP S/4HANA Cloud, SAP Business Technology Platform, and core solutions for HR and payroll, spend management, commerce, customer data solutions, business process transformation, and working capital management.

Method: rag_generated

Confidence Score: 0.626 (0 = low, 1 = high)

Server Retrieval Time: 1.102 seconds

Total Response Time: 6.490 seconds

Retrieved Chunks:

```
▼ [
  ▼ 0 : {
      "chunk" :
      "Suite revenue: We use Cloud ERP Suite revenue expressed in both actual
      currencies and constant currencies as a metric to measure the growth of our
      portfolio of strategic cloud solutions. Cloud ERP Suite references those
      offerings that are tightly integrated with our core ERP solutions and are
```

Question: what is the capital of France?

Fine-Tuned:

RAG & Fine-Tuned QA Interface

Select Mode

◯ RAG

🔴 Fine-Tuned

Enter your question:

what is the capital of france

Ask

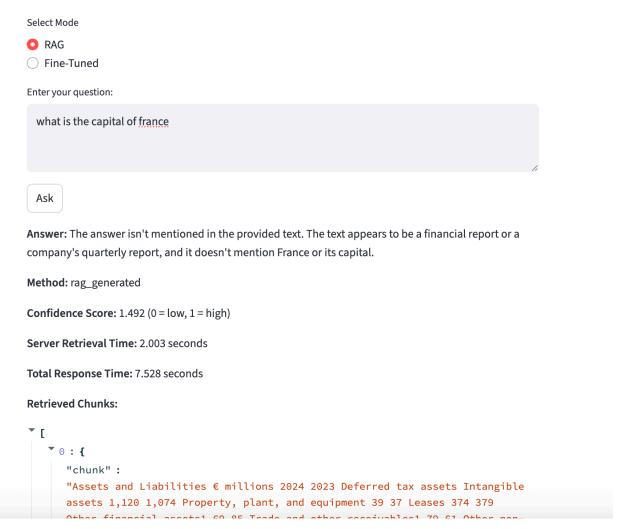**Answer:** Data not in scope

Method: fine_tuned_model

Confidence Score: 1.412 (0 = low, 1 = high)

Server Retrieval Time: 0.098 seconds

Total Response Time: 5.898 seconds

RAG:

RAG & Fine-Tuned QA Interface

Select Mode

● RAG

○ Fine-Tuned

Enter your question:

what is the capital of france

Ask

Answer: The answer isn't mentioned in the provided text. The text appears to be a financial report or a company's quarterly report, and it doesn't mention France or its capital.

Method: rag_generated

Confidence Score: 1.492 (0 = low, 1 = high)

Server Retrieval Time: 2.003 seconds

Total Response Time: 7.528 seconds

Retrieved Chunks:

```
▼ [
    ▼ 0 : {
        "chunk" :
        "Assets and Liabilities € millions 2024 2023 Deferred tax assets Intangible
        assets 1,120 1,074 Property, plant, and equipment 39 37 Leases 374 379
        Other financial assets1 69 85 Trade and other receivables1 70 61 Other non-
```

4.4 Analysis

Comparison Summary: Fine-Tuned Model vs. RAG Model

Aspect	Fine-Tuned Model	RAG Model
Performance on Trained Data	Performs well on question-answer pairs from the trained dataset.	Struggles with direct question-answer pairs from the trained dataset.

Handling Indirect Questions	Limited ability to handle indirect or out-of-distribution questions.	Excels at answering indirect or out-of-distribution questions by leveraging external sources.
Inference Speed	Generally faster due to direct response generation.	Slower due to the use of multiple sources, ranking, and reranking processes.
Reasoning	Relies solely on the trained data, limiting flexibility.	Combines information from various sources, enhancing reasoning capabilities.

In summary, the fine-tuned model is ideal for scenarios requiring fast and accurate responses within the scope of its training data, while the RAG model is better suited for handling complex or indirect queries by leveraging external knowledge.

Summary comparison table

Question	Method	Answer
What was SAP's total revenue in 2023?	RAG	The text doesn't explicitly state SAP's total revenue for 2023. However, it does provide information on the components of its revenue:\n\n* Product revenue: €14,055 million (4% increase from 2022)\n* Service revenue: €1,065 million (11% increase from 2022)\n* Other revenue: €3,898 million (19% increase from 2022)\n\nTo calculate the total revenue for 2023, we need to add these three components together:\n\n€14,055 million + €1,065 million + €3,898 million = €18,018 million\
What was SAP's total revenue in 2023?	Fine-Tune	€13.6 billion
What is the contribute to Cloud ERP Suite revenue?	RAG	Answer: SAP S/4HANA Cloud, SAP Business Technology Platform, and core solutions for HR and payroll, spend management, commerce, customer data solutions, business process transformation, and working capital management.
What is the contribute to Cloud ERP Suite revenue?	Fine-Tune	Cloud ERP Suite revenue is €1 billion
what is the capital of france	RAG	The answer isn't mentioned in the provided text. The text appears to be a financial report or a company's quarterly report, and it doesn't mention France or its capital.
what is the capital of france	Fine-Tune	Data is not in scope
		Answer: The collaboration between the Supervisory Board and the Executive Board at SAP SE in the fiscal year 2024 was as follows:\n\n1. Ongoing advice: The Supervisory Board advised the Executive Board on an ongoing basis with regard to the running of the Company, providing guidance and oversight on key matters.\n2. Scrutiny and monitoring: The Supervisory Board scrutinized and monitored the work of management, ensuring that the Executive Board was held accountable for its actions and decisions.\n3. Regular reports: The

Question	Method	Answer
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What is the contribute to Cloud ERP Suite revenue?	Fine-Tune	Cloud ERP Suite revenue is €1 billion
what is the capital of france	RAG	The answer isn't mentioned in the provided text. The text appears to be a financial report or a company's quarterly report, and it doesn't mention France or its capital.
what is the capital of france	Fine-Tune	Data is not in scope
		Answer: The collaboration between the Supervisory Board and the Executive Board at SAP SE in the fiscal year 2024 was as follows:\n\n1. Ongoing advice: The Supervisory Board advised the Executive Board on an ongoing basis with regard to the running of the Company, providing guidance and oversight on key matters.\n2. Scrutiny and monitoring: The Supervisory Board scrutinized and monitored the work of management, ensuring that the Executive Board was held accountable for its actions and decisions.\n3. Regular reports: The