```
!pip install --quiet --upgrade pymupdf google-generativeai
```

```
from google.colab import files
uploaded = files.upload()
```

Choose Files Lab Record Download.pdf

- **Lab Record Download.pdf**(application/pdf) - 1142707 bytes, last modified: 5/11/2025 - 100% done

```
Saving Lab Record Download.pdf to Lab Record Download (1).pdf
```

Double-click (or enter) to edit

```
import fitz  # PyMuPDF
import google.generativeai as genai

# ✅ Configure Gemini
genai.configure(api_key="AIzaSyDe1Jk7A1fjuA_hzhh6hxNg13mYPKkPKCg")  # Replace with your real key (keep it private)

model = genai.GenerativeModel("gemini-1.5-flash")

# ✅ Load PDF text
def load_pdf(file_path):
    doc = fitz.open(file_path)
    full_text = ""
    for page in doc:
        full_text += page.get_text()
    return full_text

# Get filename from uploaded dict
pdf_file = next(iter(uploaded))
pdf_text = load_pdf(pdf_file)

# ✅ Ask a question using a text box (works in Colab)
import ipywidgets as widgets
from IPython.display import display

text_box = widgets.Text(value='', placeholder='Type your question...', description='Question:')
display(text_box)

# Function to generate answer when user types a question and hits Enter
def handle_submit(change):
    question = text_box.value
    prompt = f"""Answer the following question based on the document below:

Document:
\"\"\"{pdf_text}\"\"\"

Question:
{question}
"""
    response = model.generate_content(prompt)
    print("\nAnswer:", response.text)

text_box.on_submit(handle_submit)
```

Question: Type your question...

Double-click (or enter) to edit