

CODE

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import PyPDF2
import google.generativeai as palm

# Step 1: Set up Google PALM API
API_KEY = 'your-google-palm-api-key' # Replace with your actual API key
palm.configure(api_key=API_KEY)

# Step 2: Function to extract text from a PDF
def extract_text_from_pdf(pdf_path):
    with open(pdf_path, 'rb') as file:
        reader = PyPDF2.PdfReader(file)
        text = ""
        for page in reader.pages:
            text += page.extract_text()
    return text

# Step 3: Function to query the PDF using Google PALM
def query_pdf(text, question):
    # Use Google PALM to generate a response
    response = palm.generate_text(
        prompt=f"Document Text: {text}\n\nQuestion: {question}\n\nAnswer:"
    )
    return response.result

# Step 4: Main function to run the assistant
def docuquery(pdf_path, question):
    # Extract text from the PDF
    print("Extracting text from the PDF...")
    text = extract_text_from_pdf(pdf_path)

    # Query the PDF using Google PALM
    print("Querying the document...")
    answer = query_pdf(text, question)

    # Display the answer
    print("\nAnswer:")
    print(answer)

# Step 5: Run the assistant
if __name__ == "__main__":
    pdf_path = "sample.pdf" # Replace with your PDF file path
    question = "What is the main topic of this document?" # Replace with your question

    docuquery(pdf_path, question)
```