```
# Install Google Generative AI SDK
!pip install -q google-generativeai
```

```
import google.generativeai as genai

# Set your Gemini API key
GEMINI_API_KEY = ""
genai.configure(api_key=GEMINI_API_KEY)

# Test if it works
model = genai.GenerativeModel("gemini-2.5-flash")
response = model.generate_content("Hello Gemini!")
print(response.text)
```

```
Hello! I'm Gemini. How can I help you today?
```

```
def summarize_email(email_text):
    prompt = f"""
    Summarize the following email or message in 3 concise sentences.
    Make it clear and professional.

    Email:
    {email_text}
    """
    model = genai.GenerativeModel("gemini-2.5-flash")
    response = model.generate_content(prompt)
    return response.text
```

```
sample_email = """
Hi John, just reminding you about the client presentation tomorrow at 9 AM.
Please bring the finalized sales report. Also, we might need to adjust the Q4 projections.
"""
print("📨 Summary:\n", summarize_email(sample_email))
```

```
📨 Summary:
 A client presentation is scheduled for tomorrow at 9 AM. Please bring the finalized sales report to this meeting. Additionally,
```

```
def generate_quick_reply(email_text):
    prompt = f"""
    You are an assistant that writes short, polite, and professional replies.
    Read the following email and generate a concise reply in a natural human tone.

    Email:
    {email_text}
    """
    model = genai.GenerativeModel("gemini-2.5-flash")
    response = model.generate_content(prompt)
    return response.text
```

```
print("💡 Suggested Reply:\n", generate_quick_reply(sample_email))
```

```
💡 Suggested Reply:
 Thanks for the reminder. I'll bring the finalized sales report and will be prepared to discuss the Q4 projections.
```

```
def classify_email(email_text):
    prompt = f"""
    Classify the following email as one of the following categories:
    - urgent
    - normal
    - spam

    Only output the category.

    Email:
    {email_text}
    """
    model = genai.GenerativeModel("gemini-2.5-flash")
    response = model.generate_content(prompt)
    return response.text.strip().lower()
```

```
print("👄 Classification:", classify_email(sample_email))
```

```
👄 Classification: normal
```

```
!pip install ipywidgets --quiet
from IPython.display import display
import ipywidgets as widgets

# Create a text area widget
email_box = widgets.Textarea(
    value='',
    placeholder='Paste your email here...',
    description='Email:',
    layout=widgets.Layout(width='100%', height='150px')
)

# Display it
display(email_box)
```

Email: Hi John, just reminding you about the client presentation tomorrow at 9 AM.
Please bring the finalized sales report. Also, we might need to adjust the Q4 projections.

```
# After typing/pasting in the box, run this cell:
email_text = email_box.value

print("📨 Summary:\n", summarize_email(email_text))
print("\n💬 Suggested Reply:\n", generate_quick_reply(email_text))
print("\n🏷️ Classification:\n", classify_email(email_text))
```

```
📨 Summary:
 This email is a reminder for the client presentation scheduled for tomorrow at 9 AM. Please remember to bring the finalized sal

💬 Suggested Reply:
 Thanks for the reminder!

I'll be sure to bring the finalized sales report tomorrow at 9 AM. Noted on the Q4 projections – I'll be ready to discuss any ad

See you then.

🏷️ Classification:
 urgent
```

Start coding or generate with AI.