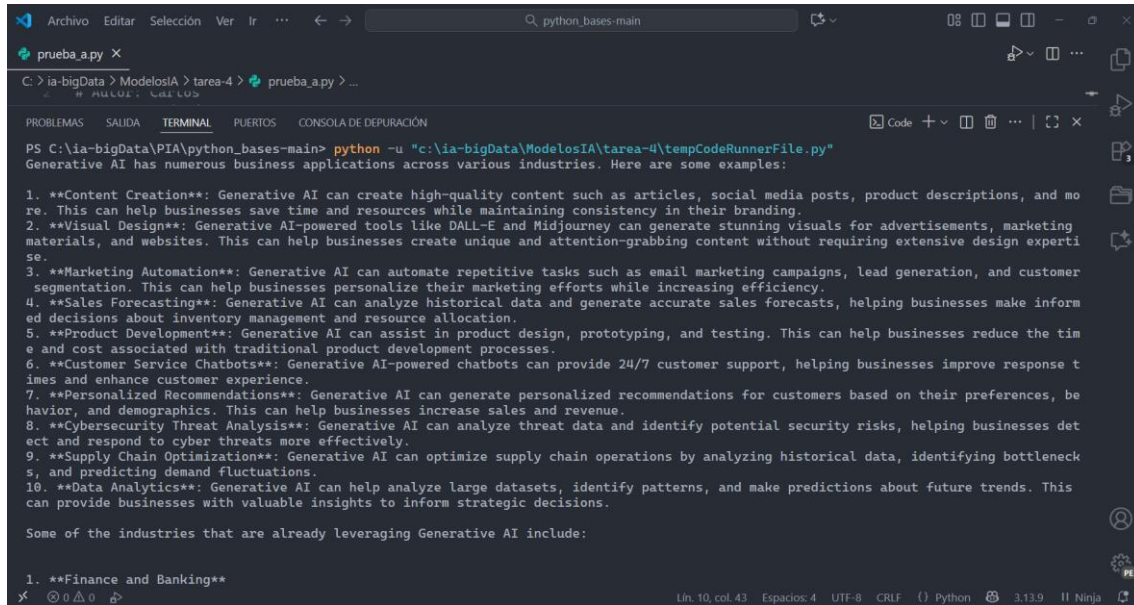


PRUEBA_A

En prueba_a.py hemos conectado Python con el servidor local de Ollama



```
Archivo Editar Selección Ver Ir ... python_bases-main
prueba_a.py X
C:\> ia-bigData > ModelosIA > tarea-4 > prueba_a.py > ...

PROBLEMAS SALIDA TERMINAL PUERTOS CONSOLA DE DEPURACIÓN
PS C:\ia-bigData\PIA\python_bases-main> python -u "c:\ia-bigData\ModelosIA\tarea-4\tempCodeRunnerFile.py"
Generative AI has numerous business applications across various industries. Here are some examples:

1. Content Creation: Generative AI can create high-quality content such as articles, social media posts, product descriptions, and more. This can help businesses save time and resources while maintaining consistency in their branding.
2. Visual Design: Generative AI-powered tools like DALL-E and Midjourney can generate stunning visuals for advertisements, marketing materials, and websites. This can help businesses create unique and attention-grabbing content without requiring extensive design expertise.
3. Marketing Automation: Generative AI can automate repetitive tasks such as email marketing campaigns, lead generation, and customer segmentation. This can help businesses personalize their marketing efforts while increasing efficiency.
4. Sales Forecasting: Generative AI can analyze historical data and generate accurate sales forecasts, helping businesses make informed decisions about inventory management and resource allocation.
5. Product Development: Generative AI can assist in product design, prototyping, and testing. This can help businesses reduce the time and cost associated with traditional product development processes.
6. Customer Service Chatbots: Generative AI-powered chatbots can provide 24/7 customer support, helping businesses improve response times and enhance customer experience.
7. Personalized Recommendations: Generative AI can generate personalized recommendations for customers based on their preferences, behavior, and demographics. This can help businesses increase sales and revenue.
8. Cybersecurity Threat Analysis: Generative AI can analyze threat data and identify potential security risks, helping businesses detect and respond to cyber threats more effectively.
9. Supply Chain Optimization: Generative AI can optimize supply chain operations by analyzing historical data, identifying bottlenecks, and predicting demand fluctuations.
10. Data Analytics: Generative AI can help analyze large datasets, identify patterns, and make predictions about future trends. This can provide businesses with valuable insights to inform strategic decisions.

Some of the industries that are already leveraging Generative AI include:

1. Finance and Banking
```

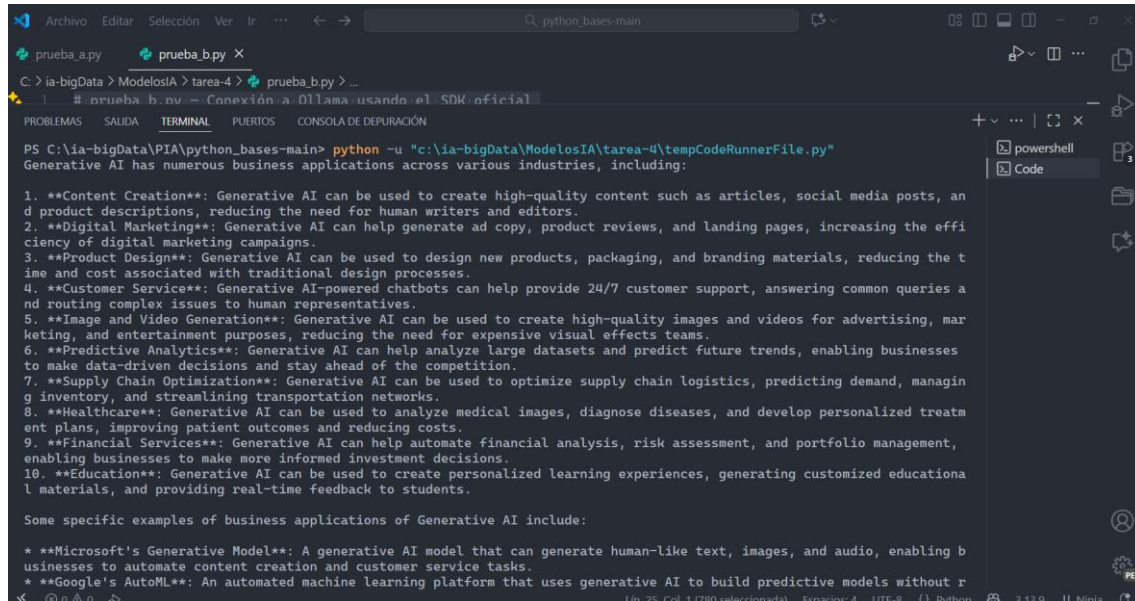
¿Qué diferencia hay entre 'stream' true y false? → Stream true, el modelo va escribiendo poco a poco, letra por letra, sin embargo en false el modelo primero manda todo el contenido y luego se imprime

¿Dónde vive el texto de salida en la respuesta JSON? → Dentro de la variable `response[mensaje][content]`

¿Qué HTTP status esperarías en éxito? → 200

PRUEBA_B

Nos hemos comunicado con el modelo de Ollama usando su SDK



```
PS C:\ia-bigData\PIA\python_bases-main> python -u "c:\ia-bigData\ModelosIA\tarea-4\tempCodeRunnerFile.py"
Generative AI has numerous business applications across various industries, including:

1. **Content Creation**: Generative AI can be used to create high-quality content such as articles, social media posts, and product descriptions, reducing the need for human writers and editors.
2. **Digital Marketing**: Generative AI can help generate ad copy, product reviews, and landing pages, increasing the efficiency of digital marketing campaigns.
3. **Product Design**: Generative AI can be used to design new products, packaging, and branding materials, reducing the time and cost associated with traditional design processes.
4. **Customer Service**: Generative AI-powered chatbots can help provide 24/7 customer support, answering common queries and routing complex issues to human representatives.
5. **Image and Video Generation**: Generative AI can be used to create high-quality images and videos for advertising, marketing, and entertainment purposes, reducing the need for expensive visual effects teams.
6. **Predictive Analytics**: Generative AI can help analyze large datasets and predict future trends, enabling businesses to make data-driven decisions and stay ahead of the competition.
7. **Supply Chain Optimization**: Generative AI can be used to optimize supply chain logistics, predicting demand, managing inventory, and streamlining transportation networks.
8. **Healthcare**: Generative AI can be used to analyze medical images, diagnose diseases, and develop personalized treatment plans, improving patient outcomes and reducing costs.
9. **Financial Services**: Generative AI can help automate financial analysis, risk assessment, and portfolio management, enabling businesses to make more informed investment decisions.
10. **Education**: Generative AI can be used to create personalized learning experiences, generating customized educational materials, and providing real-time feedback to students.

Some specific examples of business applications of Generative AI include:

* **Microsoft's Generative Model**: A generative AI model that can generate human-like text, images, and audio, enabling businesses to automate content creation and customer service tasks.
* **Google's AutoML**: An automated machine learning platform that uses generative AI to build predictive models without requiring extensive programming knowledge.
```

¿Qué ventajas e inconvenientes ves entre usar la API HTTP y el SDK? → En cuanto a código es bastante más corto utilizando el SDK sin embargo en cuanto a velocidad es más o menos la misma

¿Qué campos serían útiles en 'options' para controlar el estilo de salida? → Alguna opción para formatear el mensaje o generártelo en un pdf.

¿Cómo validarías que el modelo realmente corresponde a 'llama3.2' y no a otro? → Fijándote en el modelo que pone en la variable que es el que va a utilizar Ollama al ejecutar el script

Si quisieras internacionalizar el prompt, ¿qué cambios harías? → Crear de alguna forma algún método capaz de adaptar la respuesta al idioma del usuario.