# **Project: BrunoBot**

## **Objective:**

Your task is to develop Python chatbot that simulates a conversation with Bruno, our intrepid manager from Keiko Corp. This chat simulation will use OpenAI's GPT-3.5-turbo model to generate responses, aiming to realistically embody Bruno's personality.

## **Detailed Requirements:**

### **1. Initiating the Program:**

- Upon starting the program, the user is immediately prompted to ask Bruno a question. This initial interaction is crucial for setting the conversational tone.

- The user's input should be captured and appended with a footnote requesting that Bruno's response is limited to a single paragraph, ensuring concise and relevant replies.

### **2. Creating Bruno's Persona:**

- The program uses the user's input to simulate a conversation with Bruno, our virtual manager at Keiko Corp.

- Bruno can be characterized as a demanding but fair leader, with a blunt communication style and a dry sense of humor.

- These characteristics should be evident in the responses generated by the AI, creating a consistent portrayal of Bruno throughout the chat session.

### **3. Handling the Chat Mechanics:**

- The program then enters a loop, processing each user input and generating a corresponding response from Bruno using OpenAI's GPT-3.5 model.

- Each response is displayed to the user, maintaining a clear distinction between the user's queries and Bruno's answers in the chat interface.

### **4. Continuing the Conversation:**

- Users should have the option to continue the conversation with Bruno by inputting additional questions or comments.

- The program should dynamically process these inputs, generating new responses from Bruno that reflect both the context of the conversation and his defined personality traits.

### **5. Concluding the Chat:**

- The user should be able to end the conversation at any point by typing the keyword "thanks." The program should recognize this command and terminate the chat loop.

- Once the conversation is concluded, the program should close gracefully, marking the end of the user's session with Bruno.

### **6. Technical Implementation:**

- The script should integrate OpenAI's API correctly, handling the retrieval and use of the API key securely through environment variables.