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import os

from swarms import Agent

from swarm_models import OpenAIChat

from swarms.prompts.finance_agent_sys_prompt import (
    FINANCIAL_AGENT_SYS_PROMPT,
)

# Get the OpenAI API key from the environment variable

api_key = os.getenv("OPENAI_API_KEY")

# Create an instance of the OpenAIChat class

model = OpenAIChat(
    openai_api_key=api_key,
    model_name="o1-preview",
    temperature=0.1,
    max_tokens=100,
)

# Initialize the agent

agent = Agent(
    agent_name="Financial-Analysis-Agent_sas_chicken_eej",
    system_prompt=FINANCIAL_AGENT_SYS_PROMPT,
    llm=model,
    max_loops=2,
    autosave=True,
    dashboard=False,
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verbose=True,  
  
dynamic_temperature_enabled=True,  
  
saved_state_path="finance_agent.json",  
  
user_name="swarms_corp",  
  
retry_attempts=1,  
  
context_length=200000,  
  
return_step_meta=False,  
  
# output_type="json",  
  
)  
  
  
  
  
out = agent.run(  
  
    "How can I establish a ROTH IRA to buy stocks and get a tax break? What are the criteria"  
  
)  
  
print(out)
```