

```
import os

from swarms import Agent

from swarm_models import OpenAIChat


from swarms.prompts.finance_agent_sys_prompt import (
    FINANCIAL_AGENT_SYS_PROMPT,
)

from dotenv import load_dotenv

load_dotenv()


# Get the OpenAI API key from the environment variable
api_key = os.getenv("GROQ_API_KEY")


# Model
model = OpenAIChat(
    openai_api_base="https://api.groq.com/openai/v1",
    openai_api_key=api_key,
    model_name="llama-3.1-70b-versatile",
    temperature=0.1,
)


# Initialize the agent
agent = Agent(
    agent_name="Financial-Analysis-Agent",
    system_prompt=FINANCIAL_AGENT_SYS_PROMPT,
```

```
llm=model,  
max_loops=1,  
autosave=True,  
dashboard=False,  
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",  
output_type="string",  
streaming_on=False,  
)
```

```
agent.run(  
    "How can I establish a ROTH IRA to buy stocks and get a tax break? What are the criteria"  
)
```