

```
import os
```

```
from dotenv import load_dotenv
```

```
from swarm_models import OpenAIChat
```

```
from swarms import Agent
```

```
from swarms.prompts.finance_agent_sys_prompt import (
```

```
    FINANCIAL_AGENT_SYS_PROMPT,
```

```
)
```

```
from new_features_examples.async_executor import HighSpeedExecutor
```

```
load_dotenv()
```

```
# 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="gpt-4o-mini", 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=True,

# output_type="json", # "json", "dict", "csv" OR "string" soon "yaml" and
    # auto_generate_prompt=False, # Auto generate prompt for the agent based on name,
description, and system prompt, task

# # artifacts_on=True,

# artifacts_output_path="roth_ira_report",

# artifacts_file_extension=".txt",

# max_tokens=8000,

# return_history=True,
)

```

```

def execute_agent(

    task: str = "How can I establish a ROTH IRA to buy stocks and get a tax break? What are the
criteria. Create a report on this question.",

):

    return agent.run(task)

```

```
executor = HighSpeedExecutor()
```

```
results = executor.run(execute_agent, 2)
```

```
print(results)
```