

```
import os

import sys


from dotenv import load_dotenv


# Import the OpenAIChat model and the Agent struct
from swarms import Agent


from swarm_models import OpenAIChat


# Load the environment variables
load_dotenv()


# Get the API key from the environment
api_key = os.environ.get("OPENAI_API_KEY")


# Initialize the language model
llm = OpenAIChat(
    temperature=0.5,
    model_name="gpt-4",
    openai_api_key=api_key,
    max_tokens=4000,
)


print(
```

```
f"this is a test msg for stdout and stderr: {sys.stdout},"  
f" {sys.stderr}"  
)  
  
## Initialize the workflow  
  
agent = Agent(llm=llm, max_loops=1, autosave=True, dashboard=True)  
  
# Run the workflow on a task  
  
out = agent.run("Generate a 10,000 word blog on health and wellness.")  
  
print(out)
```