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import os

from dotenv import load_dotenv

from swarms import Task, RecursiveWorkflow, Agent

from swarm_models import OpenAIChat


# Load environment variables from .env file

load_dotenv()


# Load environment variables

llm = OpenAIChat(openai_api_key=os.getenv("OPENAI_API_KEY"))

agent = Agent(llm=llm, max_loops=1)


# Create a workflow

workflow = RecursiveWorkflow(stop_token="<DONE>")


# Create tasks

task1 = Task(agent, "What's the weather in miami")

task2 = Task(agent, "What's the weather in new york")

task3 = Task(agent, "What's the weather in london")


# Add tasks to the workflow

workflow.add(task1)

workflow.add(task2)

workflow.add(task3)


# Run the workflow
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workflow.run()