

```
import os
```

```
from dotenv import load_dotenv
```

```
# Import the OpenAIChat model and the Agent struct
```

```
from swarms import Agent, SwarmNetwork
```

```
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,  
    openai_api_key=api_key,  
)
```

```
## Initialize the workflow
```

```
agent = Agent(llm=llm, max_loops=1, agent_name="Social Media Manager")
```

```
agent2 = Agent(llm=llm, max_loops=1, agent_name="Product Manager")
```

```
agent3 = Agent(llm=llm, max_loops=1, agent_name="SEO Manager")
```

```
# Load the swarmnet with the agents
```

```
swarmnet = SwarmNetwork(  
    agents=[agent, agent2, agent3],  
)
```

```
# List the agents in the swarm network
```

```
out = swarmnet.list_agents()  
  
print(out)
```

```
# Run the workflow on a task
```

```
out = swarmnet.run_single_agent(  
    agent2.id, "Generate a 10,000 word blog on health and wellness."  
)  
  
print(out)
```

```
# Run all the agents in the swarm network on a task
```

```
out = swarmnet.run_many_agents(  
    "Generate a 10,000 word blog on health and wellness."  
)  
  
print(out)
```