

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

```
import os
```

```
from swarms import (
```

```
    Agent,
```

```
    SwarmNetwork,
```

```
    OpenAIChat,
```

```
    TogetherLLM,
```

```
)
```

```
from swarms_memory import ChromaDB
```

```
from dotenv import load_dotenv
```

```
# load the environment variables
```

```
load_dotenv()
```

```
# Initialize the ChromaDB
```

```
memory = ChromaDB()
```

```
# Initialize the language model
```

```
llm = OpenAIChat(
```

```
    temperature=0.5,
```

```
)
```

```
# Initialize the Anthropic
```

```
anthropic = OpenAIChat(max_tokens=3000)
```

```
# TogetherLM
```

```
together_llm = TogetherLLM(  
    together_api_key=os.getenv("TOGETHER_API_KEY"), max_tokens=3000  
)
```

```
## Initialize the workflow
```

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

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

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

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

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