

```
from swarms import Agent, OpenAIChat, MessagePool
```

```
# Agents
```

```
agent1 = Agent(  
    llm=OpenAIChat(  
        system_prompt=(  
            "You are a Minecraft player. What's your favorite"  
            "  
            " building style?"  
        )  
    ),  
    agent_name="Steve",  
    agent_description="A Minecraft player agent",  
    max_steps=1,  
)
```

```
agent2 = Agent(  
    llm=OpenAIChat(  
        system_prompt=(  
            "You are a Minecraft builder. What's your most impressive"  
            "  
            " creation?"  
        )  
    ),  
    agent_name="Bob",  
    agent_description="A Minecraft builder agent",  
    max_steps=1,
```

)

```
agent3 = Agent(  
    llm=OpenAIChat(  
        system_prompt=(  
            "You are a Minecraft explorer. What's the most"  
            "  
            " interesting place you've discovered?"  
        )  
    ),  
    agent_name="Alex",  
    agent_description="A Minecraft explorer agent",  
    max_steps=1,  
)
```

```
agent4 = Agent(  
    llm=OpenAIChat(  
        system_prompt=(  
            "You are a Minecraft adventurer. What's the most"  
            "  
            " dangerous situation you've been in?"  
        )  
    ),  
    agent_name="Ender",  
    agent_description="A Minecraft adventurer agent",  
    max_steps=1,  
)
```

```
moderator = Agent(  
    llm=OpenAIChat(  
        system_prompt=(  
            "You are a Minecraft moderator. How do you handle"  
            "  
            " conflicts between players?"  
        )  
    ),  
    agent_name="Admin",  
    agent_description="A Minecraft moderator agent",  
    max_steps=1,  
)
```

Create a message pool

```
pool = MessagePool(  
    moderator=moderator,  
    agents=[agent1, agent2, agent3, agent4],  
    turns=4,  
    show_names=True,  
    autosave=True,  
)
```

Add a message to the pool

```
pool.add(  
    agent=agent1,  
    content="Hello, agent2!",  
    turn=1,
```

)

Get all messages

out = pool.get_all_messages()

print(out)

Get visible messages

messages = pool.get_visible_messages(agent=agent1, turn=1)

print(messages)

Get visible messages

pool.query("Hello, agent2!")