```python
from loguru import logger

from swarms.structs.agent import Agent

from swarms.structs.graph_swarm import GraphSwarm


if __name__ == "__main__":
    try:
        # Create agents
        data_collector = Agent(
            agent_name="Market-Data-Collector",
            model_name="openai/gpt-4o",
            max_loops=1,
            streaming_on=True,
        )

        trend_analyzer = Agent(
            agent_name="Market-Trend-Analyzer",
            model_name="openai/gpt-4o",
            max_loops=1,
            streaming_on=True,
        )

        report_generator = Agent(
            agent_name="Investment-Report-Generator",
            model_name="openai/gpt-4o",
            max_loops=1,
```

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        streaming_on=True,
    )


    # Create swarm
    swarm = GraphSwarm(
        agents=[
            (data_collector, []),
            (trend_analyzer, ["Market-Data-Collector"]),
            (report_generator, ["Market-Trend-Analyzer"]),
        ],
        swarm_name="Market Analysis Intelligence Network",
    )


    # Run the swarm
    result = swarm.run(
        "Analyze current market trends for tech stocks and provide investment recommendations"
    )


    # Print results
    print(f"Execution success: {result.success}")
    print(f"Total time: {result.execution_time:.2f} seconds")


    for agent_name, output in result.outputs.items():
        print(f"\nAgent: {agent_name}")
        print(f"Output: {output.output}")
        if output.error:
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        print(f"Error: {output.error}")

except Exception as error:

    logger.error(error)

    raise error
```