

```
conda create -p venv python==3.12

requirements.txt
1 phidata
2 python-dotenv
3 yfinance
4 packaging
5 duckduckgo-search
6 fastapi
7 uvicorn
8 groq
```

```
E:\agenticAI>conda activate venv/
Not a conda environment: E:\agenticAI\venn
```













```
agenticAI>pip install -r requirements.txt
m -r requirements.txt (line 1))
```

```
API_KEY="phi-fm6DgRlznbkRiMl0x_tZNjAWSWijWQ5Eo_M81N1fBM"
GROQ_API_KEY="gsk_YgmBYGQgBIsx0DUYCHFLWGdyb3FYhvtX6mndTh11sh0cveq2PtC"
```

groqcloud

API Keys

Manage your API keys. Remember to keep your API keys safe to prevent unauthorized access.

NAME	SECRET KEY	CREATED	LAST USED	USAGE (24HRS)	
test	gsk_...7v25	5/20/2024	Never	0 API Calls	 
llmproject	gsk_...y0F1	7/4/2024	Never	0 API Calls	 
groq	gsk_...n45T	4/3/2024	12/18/2024	0 API Calls	 
krishatechgroq	gsk_...144P	9/9/2024	12/28/2024	64 API Calls	 
groqapi	gsk_...2P1C	12/18/2024	12/27/2024	4 API Calls	 
langgraph	gsk_...T61Z	11/13/2024	11/13/2024	0 API Calls	 

Create API Key













Phidata - How engineers build | Introduction - Phidata | Phidata - Dashboard | Groq to Fast AI Inference | GroqCloud

https://console.groq.com/keys

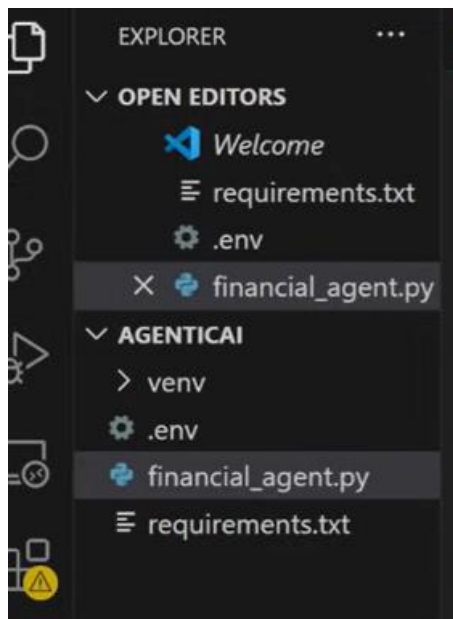
groqcloud

API Keys

Manage your API keys. Remember to keep your API keys safe to prevent unauthorized access.

NAME	SECRET KEY	CREATED	LAST USED	USAGE (24HRS)	
test	gsk_...7v25	5/20/2024	Never	0 API Calls	 
llmproject	gsk_...y0F1	7/4/2024	Never	0 API Calls	 
groq	gsk_...n45T	4/3/2024	12/18/2024	0 API Calls	 
krishatechgroq	gsk_...144P	9/9/2024	12/28/2024	64 API Calls	 
groqapi	gsk_...2P1C	12/18/2024	12/27/2024	4 API Calls	 
langgraph	gsk_...T61Z	11/13/2024	11/13/2024	0 API Calls	 

Create API Key



```
1 PHI_API_KEY="phi-fm6DgRlznbkRiMl0x_tZNjAWSWwIjWQ5Eo_M81N1f8M"  
2 GROQ_API_KEY="gsk_YgmBYGQg8Isx0DUYCHFLWGdyb3FYhvtX6mndTh11sh0cveq2PtC"
```

```
financial_agent.py > ...  
from phi.agent import Agent  
from phi.model.groq import Groq  
from phi.tools.yfinance import YFinanceTools  
from phi.tools.duckduckgo import DuckDuckGo
```

```
import os  
from dotenv import load_dotenv  
openai.api_key=os.getenv("OPENAI_API_KEY")  
  
## web search agent
```

```

## web search agent
web_search_agent=Agent(
    name="Web Search Agent",
    role="Search the web for the information",
    model=Groq(id="llama3-groq-70b-8192-tool-use-preview"),
    tools=[DuckDuckGo()],
    instructions=["Alway include sources"],
    show_tools_calls=True,
    markdown=True,
)

```

```

## Financial agent
finance_agent=Agent(
    name="Finance AI Agent",
    model=Groq(id="llama3-groq-70b-8192-tool-use-preview"),
    tools=[
        YFinanceTools(stock_price=True, analyst_recommendations=True, stock_fundamentals=True,
                       company_news=True),
    ],
    instructions=["Use tables to display the data"],
    show_tool_calls=True,
    markdown=True,
)

```

```

multi_ai_agent=Agent(
    team=[web_search_agent,finance_agent],
    instructions=["Always include sources","Use table to display the data"],
    show_tool_calls=True,
    markdown=True,
)

```

```

i_agent.print_response("Summarize analyst recommendation and share the latest news for NVDA",stream=True)

```

Add openai in the requirements.txt

```

I>setx GROQ_API_KEY gsk_YgmBYGQgBIsx0DUYCHFLWGdyb3FYhvtX6mndTh11sh0cveq2Pt
I

```

```

(E:\agenticaI\venv) E:\agenticaI>setx OPEN_API_KEY sk-proj-hpGC9Ae0BhkH0Y8Z8B0Dd2pw7xOj_1DhLgYNWj4V-m7rIII
Iyn12xvuJf1n1QAYPvPn_HYjQsYT3B1bkFJxAgg-UyS_yk8RkUJoF1Q06uB_aldeVoieky9lPanwehHAjJ2mwtqEcoSG8pfbA33fzsC0jC
IQA

```

```

SUCCESS: Specified value was saved.

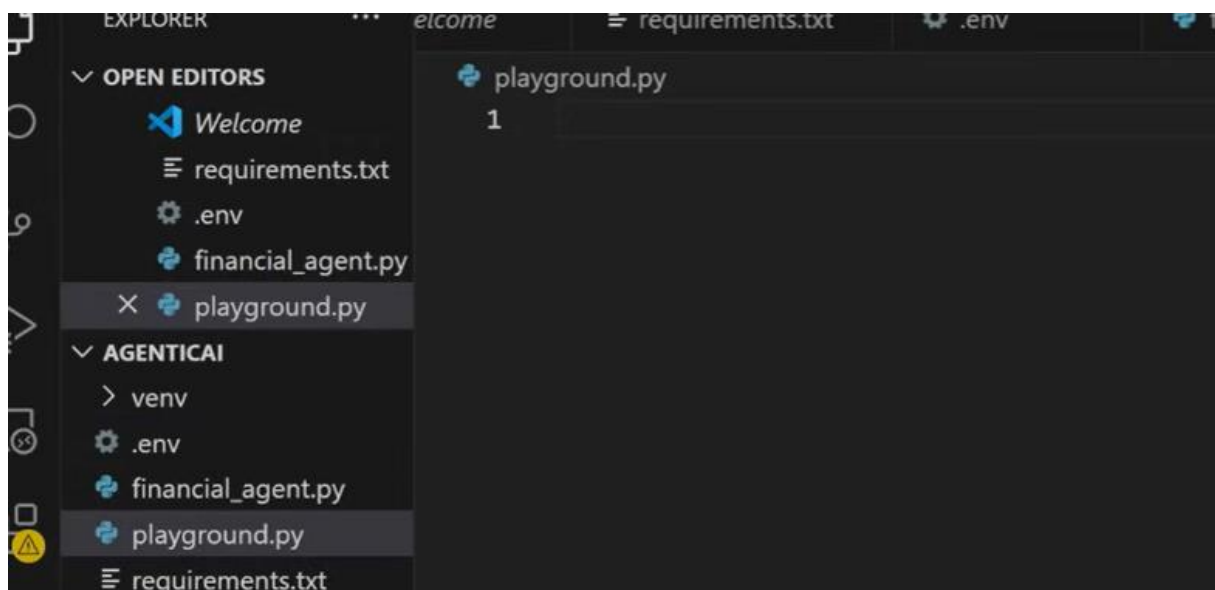
```

Latest News

- 1 AI Stock Trade in 2025:** There is expected growth in AI enthusiasm in 2025 that will drive the stocks of the "Magnificent Seven," including Nvidia (NVDA), Amazon, Alphabet, Meta, Apple, Microsoft, and Tesla. The AI trend is also expected to impact other S&P 500 sectors beyond these companies.
- 2 AI Agents Emerge in 2025:** The artificial intelligence sector is expected to evolve by 2025, benefitting not only companies involved in creating and purchasing AI chips but also others.
- 3 Market Performance in 2023:** The stock market has experienced a gain of more than 25% for the year, even though there was an absence of the typical Santa Claus rally, with a hypothesis that prior post-election gains might have preempted December's usual rise.

These updates reflect the current market sentiment and developments related to NVIDIA, underlining its strong position in the AI sector and overall market performance this year.

Sources: Analyst reports and latest news articles related to NVDA.



```
playground.py
1  import openai
2  from phi.agent import Agent
3  import phi.api
4  from phi.model.openai import OpenAIChat
5  from phi.tools.yfinance import YFinanceTools
6  from phi.tools.duckduckgo import DuckDuckGo
7  from dotenv import load_dotenv
```

```
from phi.model.groq import Groq
```

```
import os
import phi
from phi.playground import Playground, serve_playground_app
# Load environment variables from .env file
load_dotenv()

phi.api=os.getenv(["PHI_API_KEY"])
```

```
## Financial agent
finance_agent=Agent(
    name="Finance AI Agent",
    model=Groq(id="llama3-groq-70b-8192-tool-use-preview"),
    tools=[
        YFinanceTools(stock_price=True, analyst_recommendations=True, stock_fundamentals=True,
            company_news=True),
    ],
    instructions=["Use tables to display the data"],
    show_tool_calls=True,
    markdown=True,
)
```

```
app=Playground(agents=[finance_agent,web_search_agent]).get_app()
```

```
if __name__=="__main__":
    serve_playground_app("playground:app",reload=True)
```

