"""Search the web for the query

tool decorated func [search_api] -> agent which parses the docs of the tool func
-> injected into prompt -> agent will output json containing tool usage -> agent output will be parsed
-> tool executed
-> terminal response can be returned to agent for self-healing
nnu
import os
from dotony import load, dotony
from dotenv import load_dotenv
Import the OpenAlChat model and the Agent struct
from swarms import Agent
from swarm_models import OpenAlChat
Load the environment variables
load_dotenv()
Define a tool
def search_api(query: str, description: str):

```
Args:
     query (str): _description_
  Returns:
     _type_: _description_
  1111111
  return f"Search results for {query}"
def weather_api(
  query: str,
  """_summary_
  Args:
     query (str): _description_
  111111
  print(f"Getting the weather for {query}")
def rapid_api(query: str):
  """_summary_
  Args:
     query (str): _description_
```

):

```
111111
```

```
print(f"Getting the weather for {query}")
# Get the API key from the environment
api_key = os.environ.get("OPENAI_API_KEY")
# Initialize the language model
IIm = OpenAlChat(
  temperature=0.5,
)
## Initialize the workflow
agent = Agent(
  agent_name="Research Agent",
  Ilm=Ilm,
  max_loops=3,
  dashboard=True,
  tools=[search_api, weather_api, rapid_api],
  interactive=True,
  execute_tool=True,
)
# Run the workflow on a task
out = agent.run("Use the weather tool in Miami")
```

