

```
from swarms import Agent, OpenAIChat # ChromaDB
```

```
import subprocess
```

```
# Model
```

```
llm = OpenAIChat(  
    temperature=0.1,  
)
```

```
# Tools
```

```
def terminal(  
    code: str,  
):
```

```
    """
```

```
    Run code in the terminal.
```

```
    Args:
```

```
        code (str): The code to run in the terminal.
```

```
    Returns:
```

```
        str: The output of the code.
```

```
    """
```

```
    out = subprocess.run(  
        code, shell=True, capture_output=True, text=True
```

```
    ).stdout
```

```
    return str(out)
```

```
def browser(query: str):
```

```
    """
```

Search the query in the browser with the `browser` tool.

Args:

query (str): The query to search in the browser.

Returns:

str: The search results.

```
    """
```

```
import webbrowser
```

```
url = f"https://www.google.com/search?q={query}"
```

```
webbrowser.open(url)
```

```
return f"Searching for {query} in the browser."
```

```
def create_file(file_path: str, content: str):
```

```
    """
```

Create a file using the file editor tool.

Args:

file_path (str): The path to the file.

content (str): The content to write to the file.

Returns:

str: The result of the file creation operation.

"""

with open(file_path, "w") as file:

file.write(content)

return f"File {file_path} created successfully."

```
def file_editor(file_path: str, mode: str, content: str):
```

"""

Edit a file using the file editor tool.

Args:

file_path (str): The path to the file.

mode (str): The mode to open the file in.

content (str): The content to write to the file.

Returns:

str: The result of the file editing operation.

"""

with open(file_path, mode) as file:

file.write(content)

return f"File {file_path} edited successfully."

```
# Agent
```

```
agent = Agent(  
    agent_name="Devin",  
    system_prompt=(  
        "Autonomous agent that can interact with humans and other"  
        " agents. Be Helpful and Kind. Use the tools provided to"  
        " assist the user. Return all code in markdown format."  
    ),  
    llm=llm,  
    max_loops="auto",  
    autosave=True,  
    dashboard=False,  
    streaming_on=True,  
    verbose=True,  
    stopping_token="<DONE>",  
    interactive=True,  
    tools=[terminal, browser, file_editor, create_file],  
    # long_term_memory=chromadb,  
    metadata_output_type="json",  
    # List of schemas that the agent can handle  
    # list_base_models=[tool_schema],  
    function_calling_format_type="OpenAI",  
    function_calling_type="json", # or soon yaml  
)
```

```
# Run the agent
```

agent.run("Create a new file for a plan to take over the world.")