

```
from swarms import Agent

from swarm_models import Anthropic

import subprocess


# Model

llm = Anthropic(

    model_name="claude-3-5-sonnet-20240620",

    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],  
    code_interpreter=True,  
)
```

```
# Run the agent
```

```
out = agent("Create a new file for a plan to take over the world.")  
print(out)
```