

```
import os
```

```
from dotenv import load_dotenv
```

```
from swarm_models import Gemini
```

```
from swarms.prompts.visual_cot import VISUAL_CHAIN_OF_THOUGHT
```

```
# Load the environment variables
```

```
load_dotenv()
```

```
# Get the API key from the environment
```

```
api_key = os.environ.get("GEMINI_API_KEY")
```

```
# Initialize the language model
```

```
llm = Gemini(  
    gemini_api_key=api_key,  
    temperature=0.5,  
    max_tokens=1000,  
    system_prompt=VISUAL_CHAIN_OF_THOUGHT,  
)
```

```
# Initialize the task
```

```
task = "This is an eye test. What do you see?"
```

```
img = "examples/demos/multi_modal_chain_of_thought/eyetest.jpg"
```

```
# Run the workflow on a task
```

```
out = llm.run(task=task, img=img)
```

```
print(out)
```