

```
import os # Import the os module for working with the operating system
```

```
from dotenv import (
```

```
    load_dotenv, # Import the load_dotenv function from the dotenv module
```

```
)
```

```
from swarm_models import (
```

```
    GPT4VisionAPI, # Import the GPT4VisionAPI class from the swarms module
```

```
)
```

```
# Load the environment variables
```

```
load_dotenv()
```

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

```
api_key = os.getenv("OPENAI_API_KEY")
```

```
# Create an instance of the GPT4VisionAPI class with the API key and model name
```

```
gpt4vision = GPT4VisionAPI(
```

```
    openai_api_key=api_key,
```

```
    model_name="gpt-4o",
```

```
    max_tokens=1000,
```

```
    openai_proxy="https://api.openai.com/v1/chat/completions",
```

```
)
```

```
# Define the URL of the image to analyze
```

```
img = "ear.png"
```

```
# Define the task to perform on the image
```

```
task = "What is this image"
```

```
# Run the GPT4VisionAPI on the image with the specified task
```

```
answer = gpt4vision.run(task, img, return_json=True)
```

```
# Print the answer
```

```
print(answer)
```