

```
import pytest
```

```
from swarms.utils import extract_code_from_markdown
```

```
@pytest.fixture
```

```
def markdown_content_with_code():
```

```
    return """
```

```
    # This is a markdown document
```

```
    Some intro text here.
```

```
    Some additional text.
```

```
    """
```

```
@pytest.fixture
```

```
def markdown_content_without_code():
```

```
    return """
```

```
    # This is a markdown document
```

```
    There is no code in this document.
```

```
    """
```

```
def test_extract_code_from_markdown_with_code(
```

```
    markdown_content_with_code,
```

):

```
extracted_code = extract_code_from_markdown(  
    markdown_content_with_code
```

```
)
```

```
assert "def my_func():" in extracted_code
```

```
assert 'print("This is my function.")' in extracted_code
```

```
assert "class MyClass:" in extracted_code
```

```
assert "pass" in extracted_code
```

```
def test_extract_code_from_markdown_without_code(  
    markdown_content_without_code,
```

```
)
```

):

```
extracted_code = extract_code_from_markdown(  
    markdown_content_without_code
```

```
)
```

```
assert extracted_code == ""
```

```
def test_extract_code_from_markdown_exception():
```

```
    with pytest.raises(TypeError):
```

```
        extract_code_from_markdown(None)
```