

```
[[questions]]
id = "3da96b29-d975-4cd8-a8eb-b1a6bd9b5c0a"
type = "MultipleChoice"
prompt.prompt = ""
Which of the following is **NOT** a good reason to wrap unit tests in `#[cfg(test)] mod tests { ... }`?
```

```
answer.answer = "It gives your tests access to private functions"
```

```
prompt.distractors = [
    "It can reduce the size of generated compiler artifacts",
    "It can improve compile times",
    "It separates test helper functions from library code",
]
```

```
context = ""
```

```
All unit tests in a given file have access to that file's private functions, regardless of being in `mod tests` or not.
```

```
[[questions]]
type = "MultipleChoice"
prompt.prompt = "How do you run integration tests in a Cairo project?"
prompt.distractors = [
```

```
    "By running `scarb cairo-test`",
    "By running `scarb cairo-build` with a filter for the test",
    "By running `scarb cairo-run`",
]
```

```
answer.answer = "By running `scarb test` with a filter for the integration tests"
```

```
context = ""
```

```
To run all integration tests, add a filter to `scarb test` that contains the module path containing the integration tests.
```

```
id = "2b553604-8201-4fad-90d6-1b63d99de219"
```

```
[[questions]]
type = "MultipleChoice"
prompt.prompt = "What is the difference between unit tests and integration tests?"
prompt.distractors = [
```

```
    "Unit tests use the `#[test]` attribute, while integration tests use the `#[cfg(test)]` attribute.",
```

```
    "Unit tests are limited to testing a single module, while integration tests can test multiple modules but not their interactions.",
```

```
    "Unit tests are written in a separate file, while integration tests are written in the same file as the code being tested.",
```

```
]
```

```
answer.answer = ""Unit tests focus on testing individual functions or modules in isolation, while
```

```
integration tests verify the interaction and behavior of multiple modules or components working
```

```
together."""  
context = ""
```

Unit tests and integration tests serve different purposes and have distinct characteristics:

- Unit tests:
 - Focus on testing individual functions or modules in isolation.
 - Aim to ensure the correctness of small, self-contained units of code.
 - Often test private functions and implementation details.
 - Located in the same file as the code being tested, typically in a ``#[cfg(test)]`` module.
- Integration tests:
 - Focus on testing the interaction and behavior of multiple modules or components working together.
 - Verify that different parts of the system integrate correctly and produce the expected results.
 - Use the public API of the library or application being tested.
 - Located in the `_tests/_` directory, separate from the main code files.

```
"""
```

```
id = "93d3c7fb-14af-41f6-aba2-7ceff84a163b"
```