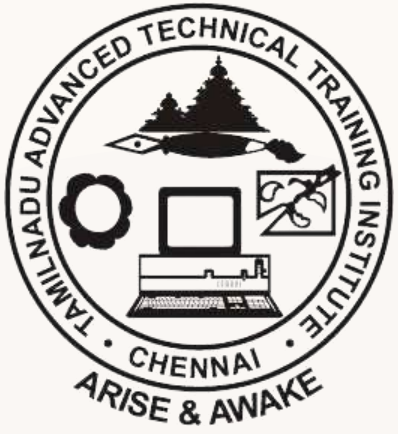

Error and Exception handling with Python

In this tutorial, you'll learn how to:

- Differentiate between syntax errors, logical errors and exceptions
- Raise an exception in Python with raise
- Handle exceptions with try and except
- Fine-tune your exception handling with else and finally

Types of Errors

- Syntax Errors
- Runtime Errors (Exceptions)
- Logical Errors

Runtime Errors (Exceptions)

- ZeroDivisionError
- FileNotFoundError
- TypeError
- ValueError
- IndexError
- KeyError

Exceptions and User defined Exceptions

Syntax:

```
class InvalidInputError(Exception):
    pass
```

User defined Exceptions

- Created by developer to handle specific scenarios.
- Usage increases code readability and managability.

Exception Handling in Python

Assertions in Python

Assert with except:

try:

Test if condition is True

except:

Execute this code when there is an exception