

Secure Coding Practices

- **Defensive Programming:**

- Writing code that anticipates and handles potential errors and security vulnerabilities.
- Includes techniques like input validation, error handling, and access control.

- **Example in Python:**

Python

```
def login(username, password):
```

```
    # Input validation
```

```
    if not username or not password:
```

```
        raise ValueError("Username and password are required.")
```

```
    # ... (Authentication logic)
```

```
    return True # Successful login
```