

The `std::exception` Hierarchy Exercises

- Explain why the `what()` member function of `std::exception` is virtual
- Explain why the destructor of `std::exception` is virtual

- `logic_error`, `runtime_error` and their subclasses have a constructor that takes a string argument
- What is this string used for?
- What should we put in this string?

- Give some examples of C++ standard library functions throwing subclasses of `std::exception`
- There are many situations where the standard library could usefully throw these subclass exceptions but does not. Why is this?
- Why is it useful to learn about these subclass exceptions?