

Unique Pointers and Custom Deleters Exercises

unique_ptr and pointer management

- Why is unique_ptr useful for managing pointers which were not returned by new()?
- Why can this be problematical?
- Write a program which demonstrates this problem

Custom deleters

- What is a deleter?

unique_ptr with deleter

- How do we use a deleter with unique_ptr?

Deleter Type

- What happens if we do not know the type of the deleter?

Custom deleter

- Write a program which uses a custom deleter
- What would you expect to happen if an exception is thrown?
- Check that your program behaves as expected when an exception is thrown