Virtual Functions in C++11 Solutions

The override keyword

- What effect does the override keyword have?
  - The override keyword signifies that a member function reimplements a virtual member function
  - The compiler will check whether this member function overrides a virtual member function in the base class
  - If it does not, it is a compiler error

- Write a program which uses the override keyword

- Change the signature of the member function in the child class, so that it does not reimplement any base class member function

- Check that you get a compiler error

The final keyword

- What effect does the final keyword have?
  - A final member function cannot be overridden in a child class
  - A final class cannot be derived from

final Member

- Write a program in which a member function is declared "final" and a child class reimplements it

- Check that you get a compiler error

final class

- Write a program in which a class is declared "final". Derive a child class from it

- Check that you get a compiler error