Optional Type Introduction Solutions

Optional Values

- Sometimes it is useful to have an object that may or may not have a value

- Give some examples of when this is useful
  - A function that returns an object on success and an empty object on failure
  - An optional argument to a function call

Optional Values

- Give two ways in which optional values could be implemented in C++14 or earlier
  - Pointer (points to a value if not null)
  - std::pair(first member has a value if the second member is true)
- For each of your answers, write a simple program that demonstrates the implementation