Return your answers in Tuubi before deadline!

In Object-Oriented Programming course 2015 one subject is different Design Patterns. In address http://users.metropolia.fi/~pasitr/2016-2017/TI00AA50-3010/tt/09/tt09-java.pdf and http://users.metropolia.fi/~pasitr/2016-2017/TI00AA50-3010/kt/09/kt09-java.pdf are exercises. You have to program tasks in C++ if possible.

Tasks

1. **Builder pattern**. Implement this pattern example with C++ if possible. Codes in Java is in address https://www.tutorialspoint.com/design_pattern/builder_pattern.htm .

   Example 1: https://sourcemaking.com/design_patterns/builder/cpp/1

2. **Prototype pattern**. Implement this pattern example with C++ if possible. Codes in Java is in address https://www.tutorialspoint.com/design_pattern/prototype_pattern.htm .

   Example 2: https://sourcemaking.com/design_patterns/prototype/cpp/1

3. **Adapter pattern**. Implement this pattern example with C++ if possible. Codes in Java is in address https://www.tutorialspoint.com/design_pattern/adapter_pattern.htm .

   Example 3: https://sourcemaking.com/design_patterns/adapter/cpp/1

4. **Bridge pattern**. Implement this pattern example with C++ if possible. Codes in Java is in address https://www.tutorialspoint.com/design_pattern/bridge_pattern.htm .

   Example 4: https://sourcemaking.com/design_patterns/bridge/cpp/1