Return your answers in Tuubi before deadline!

Tasks

1. **Proxy pattern**.

   In the link https://www.tutorialspoint.com/design_pattern/proxy_pattern.htm you can see **Proxy pattern** example which is programmed in Java. You have to implement same example in C++.

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

2. **Iterator pattern**.

   Click the link https://www.tutorialspoint.com/design_pattern/iterator_pattern.htm where you can see **Iterator pattern** example which is programmed in Java. You have to implement same example in C++.

   Example 2: https://sourcemaking.com/design_patterns/iterator

3. **Observer pattern**.

   In the link https://www.tutorialspoint.com/design_pattern/observer_pattern.htm where you can see **Observer pattern** example which is programmed in Java. You have to implement same example in C++.

   Example 3: https://sourcemaking.com/design_patterns/observer

4. **State pattern**.

   Click https://www.tutorialspoint.com/design_pattern/state_pattern.htm where you can see **State pattern** example which is programmed in Java. You have to implement same example in C++.

   Example 4: https://sourcemaking.com/design_patterns/state