

CMPE 101: Object Oriented Programming

Worksheet 9C

Istanbul Bilgi University

Spring 2021

Part I

Create a **Paper** class that has *size* and *quality* properties. Write proper constructor and other methods required for the class.

Part II

Create a **Scroll** class that inherits from **Paper** class. **Scroll** varies on *preserveTime* depending on its *quality*. Write proper constructor and other methods required for the class.

Part III

- Create a **Library** class that has array of **Scrolls**. Write proper constructor and other methods required for the class.
- Write a method that calculates the total sizes of the *Scrolls can be preserved 100 year* in the **Library**.

Note: Do not compress your files, submit only java files.

Note: Do not forget to justify your answers with comments.