

CMSC 433 Assignment 1

Work on this assignment **individually**. Please type your homework submission. Write the question before writing down your answer. Write your answers in complete sentences. Be sure to include the Honor Pledge as well.

1. What is a design decision?
2. When are design decisions made?
3. What is the information hiding principle?
4. When writing object-oriented code, what are two tips for following the information hiding principle?
5. If you follow the information hiding principle, what is the crucial property of information shared between modules?
6. What is the low coupling principle?
7. In the attached code, find all violations of the Law of Demeter. Refer to each violation by the line number in which the violation occurs and explain why the line number contains a violation. Please note that `ResourcesPlugin.getWorkspace()` is a static method call and that static method calls do not violate the Law of Demeter.