

Question 2. (10 points) Write a few sentences in your own words describing the differences between the following three software concepts:

1. **Overriding a method:** The subclass can have its own version of methods that will be inherited from the superclass where that methods were already defined. Even though the overridden method is the same name, same type, same parameter as the inherited method, it has its own ability to modify.
2. **Overloading a method:** Multiple methods in one class can have the same name as each other as long as their parameters are different from each other.
3. **Implementing a method:** When implementing an interface or extends an abstract class, the subclass must implement all methods from interface and abstract methods from the abstract class. To be more specific, finishing the body of the methods or abstract methods from interface or abstract that were already declared in that interface or abstract class but not defined