

Mehta Nimtrakul

284 quiz

I pledge my honor that I have abided by the Stevens Honor System.

Exercise 1:

1. A
2. C
3. B

Exercise 2:

1. True
2. True
3. True
4. False
5. True
6. False
7. True
8. True
9. True
10. True
11. False
12. False
13. True
14. False
15. True
16. True
17. True
18. False
19. True
20. False

Exercise 3:

1. Method 2
2. Method 4

3. You are making an object of type AClass with the AnotherClass constructor. After making an object of type AClass, it is not allowed to call on a method in the subclass/child of AClass, since the object type is AClass instead of AnotherClass. A superclass cannot inherit methods from a subclass/child, therefore, AClass object cannot use method 4 from its subclass/child since it cannot inherit from a subclass/child. This object can only use method 2, which takes in integers and java will not accept a double.

4.

- Overloading is when methods have the same name, but may have different parameters/return types in different classes after inheritance occurs. An example of overloading in the code above is that the setValue method in AClass takes in an integer type as a parameter, but the setValue in AnotherClass takes in a double type as a parameter. Overloading is known as compile-time polymorphism.

- Overriding is when methods have the same name and the same parameters in different classes after inheritance occurs. An example of overriding in the code above are the readValue method in AClass and the readValue method in AnotherClass since they have the same parameters and are both boolean. Overriding is known as run-time polymorphism.

Exercise 4:

It first prints "Parallelizable parallel"

Then it prints "The end"