

Tutorial 6

These questions refer to the lectures presented in week 6 of Object Oriented Programming with Java. They will be covered during the tutorial during week 7.

Packages

1. What is a package?
2. What is a type
3. What is access protection?
4. What is a name space?
5. Why do we use packages? Give examples of each of the reasons.
6. Which items can you see outside the package, those declared public, protected, private, or with no modifier.
7. How are packages named?
8. Where would a package called `com.mycompany.mypackage` be stored?

Using Packages

9. How do you put a class in a package?
10. How do you use the `Wolf` class from the `animals` package in the `shapes` package?
11. How could you use all of the classes from the `animals` package? Why is this a bad idea?
12. What do you do if you need to use classes that have the same name but in different packages?
13. If you are in the `animals` package, which `Wolf` class would `new Wolf()` refer to if you import a `Wolf` class from a different package called `canine`?
14. What is a static import and why would we use it?
15. What is the `CLASSPATH`?
16. What is the value of `CLASSPATH` on your computer?

Java Packages in Eclipse

17. Where do you click to insert your new classes into an existing package?
18. Where are your directories in Eclipse? What is the working directory on your computer?
19. How does Eclipse indicate that a class is not visible?
20. What suggestion does Eclipse give you if it can find a missing class in another package?