Lesson 3: Multiple Inheritance SEND FEEDBACK Advanced OOP SEARCH **Exercise** RESOURCES In the code below, the Dog class inherits from both Animal and Pet. Once you have examined the code below, add a Cat class that also inherits from Animal and Pet. The Cat class should have the attribute string color. Design the Cat class to pass the tests in the main() function. CONCEPTS In []: ▶ #include <iostream> #include <string> 1. Polymorphism and Inheritance #include <assert.h> class Animal { public: double age; 2. Bjarne on Inheritance 3. Inheritance class Pet { public: std::string name; 4. Access Specifiers // Dog derives from *both* Animal and Pet class Dog: public Animal, public Pet { 5. Exercise: Animal Class public: std::string breed; class Cat : public Animal, public Pet{ public: std::string color; 7. Exercise: Class Hierarchy int main() 8. Exercise: Friends Animal animal; Pet pet; Dog dog; Cat cat; 9. Polymorphism: Overloading cat.color == "black"; cat.age == 10; cat.name == "Max"; assert(cat.color == "black"); 10. Polymorphism: Operator Overlo... assert(cat.age == 10); assert(cat.name == "<mark>Max"</mark>); 11. Virtual Functions Compile & Execute Explain

Loading terminal (id_ay2gcn0), please wait...

≤ 13. Override

☑ 17. Templates

20. Deduction

22. Summary

14. Multiple Inheritance

15. Generic Programming

21. Exercise: Class Template

☑ 16. Bjarne on Generic Programming

19. Exercise: Comparison Operation

23. Bjarne on Best Practices with Cla...

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