

Inheritance_Example2

May 10, 2020

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In [ ]: // This example demonstrates the privacy levels
        // between parent and child classes
        #include <iostream>
        #include <string>
        using std::string;

        class Vehicle {
        public:
            int wheels = 0;
            string color = "blue";

            void Print() const
            {
                std::cout << "This " << color << " vehicle has " << wheels << " wheels!\n";
            }
        };

        class Car : public Vehicle {
        public:
            bool sunroof = false;
        };

        class Bicycle : protected Vehicle {
        public:
            bool kickstand = true;
            void Wheels(int w)
            {
                wheels = w;
            }
        };

        class Scooter : private Vehicle {
        public:
            bool electric = false;
            void Wheels(int w)
            {
                wheels = w;
            }
        };
```

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    }  
};  
  
int main()  
{  
    Car car;  
    car.wheels = 4;  
    Bicycle bicycle;  
    bicycle.Wheels(2);  
    Scooter scooter;  
    scooter.Wheels(1);  
};
```

Compile & Execute

Explain

Loading terminal (id_6jlky9u), please wait...