# Inheritance_Lab4

May 11, 2020

```cpp
In [ ]:  #include <cassert>
         #include <iostream>
         using std::cout;

         // TODO: Declare Vehicle as the base class
         class Vehicle{
           public:
             bool trunk;
         };

         // TODO: Derive Car from Vehicle
         class Car : public Vehicle{
           public:
             int seats;
         };

         // TODO: Derive Sedan from Car
         class Sedan : public Car{
           public:
             int wheels;
         };

         // TODO: Update main to pass the tests
         int main() {
           Sedan sedan;
           sedan.trunk=true;
           sedan.seats=4;
           sedan.wheels=4;
           assert(sedan.trunk == true);
           assert(sedan.seats == 4);
           assert(sedan.wheels == 4);
         }
```

Compile & Execute

Explain
Loading terminal (id_dssp0q5), please wait...