```
//
//
   main.cpp
// AbsoluteCpp_ch15_7
//
//Program to illustrate use of a virtual function to defeat the slicing
problem.
#include <string>
#include <iostream>
using std::string;
using std::cout;
using std::endl;
class Pet
public:
    string name;
    virtual void print( ) const;
};
class Dog : public Pet
public:
    string breed;
    virtual void print( ) const;
};
int main( )
    Dog vdog;
    Pet vpet;
    vdog.name = "Tiny";
    vdog.breed = "Great Dane";
    vpet = vdog;
    cout << "The slicing problem:\n";</pre>
    // vpet.breed; //is illegal since class Pet has no member named breed.
    vpet.print( );
    // Dog vdog1 = (Dog)vpet;
    // vdog1.print();
    cout << "Note that it was print from Pet that was invoked.\n";</pre>
    cout << "The slicing problem defeated:\n";</pre>
    Pet *ppet;
    Dog *pdog;
    pdog = new Dog;
    pdog->name = "Tiny";
    pdog->breed = "Great Dane";
    ppet = pdog;
    ppet->print( );
    pdog->print( );
    //The following, which accesses member variables directly
```