9. What is the result of compiling and running the following program?

```
class Base {};
class Derived : public Base {
public:
    void method() { cout << "method1\n"; }
};
class Derived2 : public Base {
public:
    void method() { cout << "method2\n"; }
};

int main() {
    Base* bp = new Derived();  ✓
    Derived2* d2p = bp;
    d2p->method();
}
```

→ can't assign derived ptr to base ptr.

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a. The program compiles and runs, printing "method1"

b. The program compiles and runs, printing "method2"

c. The program compiles and runs to completion without printing anything.

d. The program compiles and crashes when it runs.

e. The program does not compile.

f. None of the above.