Java → Object-oriented programming → Inheritance and polymorphism → Inheritance

Inheritance → The lost modifier

📊 Medium   🕐 1 minute   ❓

You have a base class and a derived class. Both classes are in different packages.

The base class:

```
1    public class BaseClass {
2        ??? int a;
3    }
```

The derived class:

```
1    public class DerivedClass extends BaseClass {
2        private int b;
3
4        public int sum() {
5            return a + b;
6        }
7    }
```

Which of the following access modifiers can be written instead of **???** to make this code compile.

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↳ Select one or more options from the list

- [ ] no access modifier
- [x] public
- [x] protected
- [ ] private

✔ Correct.

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