









D The Java compiler uses packages to optimize compilation which speeds up build-time.

i Show explanation \vee

* - wildcard which says import all classes

from the java.util package

Import java.*; only returns the classes that are declared in the java package

```
class Greeter {
    static int numberOfGreetings = 0;

static void trackGreetings() {
    numberOfGreetings++;
  }

String greet(String message, String name) {
    trackGreetings(); // directly call static trackGreetings()
    return "Hello, " + name + ". " + message;
  }
}
```

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17/19 Students Answered

- A It doesn't matter. Any method, regardless of whether it's *instance* or static, can call any other method within the same class.
- **B** It depends on whether the correct access modifiers are used since *instance* and static belong in different scopes. They need visibility to one another.
- C The Rules of Method Signatures permits instance methods to call static methods provided there is no this, as in this.trackGreetings().
- **D** Since any instantiated object is of some type of class, any static methods of that class are automatically available to *instance* methods.