

## Solution 2: Give me your feature name and I'll call you

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### 1 Adding more feature calls

#### Solution

Listing 1: More feature calls

```
Paris.display
Lowre.spotlight
Line8.highlight
Route1.animate
Console.show (Route1.origin)
wait
Lowre.unspotlight
wait
Line8.unhighlight
wait
Console.show (Line2.out)
wait
Line2.highlight
wait
Line2.south_end.highlight
wait
Line2.north_end.highlight
```

### 2 Command or Query?

#### Solution

1. *is\_exchange* is a query.
2. *set\_location* is a command.
3. *outgoing\_line\_connections* is a query.
4. *name* is a query.
5. *highlight* is a command.
6. *has\_stop* is a query.

### 3 Valid feature call instructions

#### Solution

1. This is invalid code: The command *show* can only be followed by arguments, it is not possible to call another feature on a command.

2. This is valid code: The target is *Station.balard* and the argument is a valid expression.
3. This is invalid code: The argument *Line8.highlight* contains a command and thus is invalid.
4. This is valid code: The target is *Line2.color* and the argument is a valid expression.
5. This is valid code: The target is *Console* and the argument is a valid expression made out of queries only.
6. This is valid code: The target is *Console* and the argument is composed only of queries (with nested arguments).
7. This is invalid code: The argument contains the command *set.location*.