Questions

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isEmpty? No, isImplemented!

3/3 points (graded)

```
isEmpty : ImList -> boolean
isEmpty(Empty) = true
isEmpty(Cons(first:E, rest:ImList)) = false
```

Let's implement `ImList.isEmpty` .

```
public interface ImList<E>
    // ...
    /**
     * @return true iff this list is empty
     */
```

public boolean isEmpty ✔ **Answer:** public boolean isEmpty(); **or** boolean isEmpty();

Explanation

`boolean isEmpty();` is also correct, but note that all interface methods are automatically public.

```
}
```

...

```
class Empty<E> implements ImList<E> {
    // ...

    public boolean isEmpty() {
```

return true; ✔ **Answer:** return true;

```
    }
}
```

...

```
class Cons<E> implements ImList<E> {
    private E e;
    private ImList<E> rest;
    // ...

    public boolean isEmpty() {
```

return false; ✔ **Answer:** return false;

```
    }
}
```

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