Ingegneria del Software: Es. Iterator

Data la classe ListaLinkataDoppia mostrata a lezione, si fornisca un'implementazionedell'interfaccia

java.util
Interface Iterator<E>

Composta dai metodi

Method Summary	
`boolean`	**`hasNext`**`()` Returns `true` if the iteration has more elements.
`E`	**`next`**`()` Returns the next element in the iteration.
`void`	**`remove`**`()` Removes from the underlying collection the last element returned by the iterator (optional operation).

Method Detail

hasNext
`boolean` **`hasNext`**`()`

Returns `true` if the iteration has more elements. (In other words, returns `true` if `next` would return an element rather than throwing an exception.)

Returns:

`true` if the iterator has more elements.

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next
`E` **`next`**`()`

Returns the next element in the iteration.

Returns:

the next element in the iteration.

Throws:

`NoSuchElementException` - iteration has no more elements.

remove

`void` **`remove`**`()`

Removes from the underlying collection the last element returned by the iterator (optional operation). This method can be called only once per call to `next`. The behavior of an iterator is unspecified if the underlying collection is modified while the iteration is in progress in any way other than by calling this method.

Throws:

`UnsupportedOperationException` - if the `remove` operation is not supported by this Iterator.

`IllegalStateException` - if the `next` method has not yet been called, or the `remove` method has already been called after the last call to the `next` method.