You are given a nested list of integers nestedList. Each element is either an integer or a list whose elements may also be integers or other lists. Implement an iterator to flatten it.

Implement the NestedIterator class:

* NestedIterator(List<NestedInteger> nestedList) Initializes the iterator with the nested list nestedList.
* int next() Returns the next integer in the nested list.
* boolean hasNext() Returns true if there are still some integers in the nested list and false otherwise.

Your code will be tested with the following pseudocode:

initialize iterator with nestedList  
res = []  
while iterator.hasNext()  
 append iterator.next() to the end of res  
return res

If res matches the expected flattened list, then your code will be judged as correct.

**Example 1:**

Input: nestedList = [[1,1],2,[1,1]]  
Output: [1,1,2,1,1]  
Explanation: By calling next repeatedly until hasNext returns false, the order of elements returned by next should be: [1,1,2,1,1].

**Example 2:**

Input: nestedList = [1,[4,[6]]]  
Output: [1,4,6]  
Explanation: By calling next repeatedly until hasNext returns false, the order of elements returned by next should be: [1,4,6].

**Constraints:**

* 1 <= nestedList.length <= 500
* The values of the integers in the nested list is in the range [-106, 106].