

---+ Package TWiki::LineIterator

Iterator over the lines in a file

new(\$file)

Create a new iterator over the given file. if the file cannot be opened, then there will be no elements in the iterator.

hasNext() -> \$boolean

Returns false when the iterator is exhausted.

```
my $it = new TWiki::ListIterator(\@list);
while ($it->hasNext()) {
    ...
}
```

next() -> \$data

Return the next line in the file.

The iterator object can be customised to pre- and post-process entries from the list before returning them. This is done by setting two fields in the iterator object:

- `{filter}` can be defined to be a sub that filters each entry. The entry will be ignored (`next()` will not return it) if the filter returns false.
- `{process}` can be defined to be a sub to process each entry before it is returned by `next`. The value returned from `next` is the value returned by the process function.

For example,

```
my $it = new TWiki::LineIterator("/etc/passwd");
$it->{filter} = sub { $_[0] =~ /^.*?:/; return $1; };
$it->{process} = sub { return "User $_[0]"; };
while ($it->hasNext()) {
    my $x = $it->next();
    print "$x\n";
}
```

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