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## Adding external iterators to an existing Eiffel class library

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► **To cite this version:**

Olivier Zendra, Dominique Colnet. Adding external iterators to an existing Eiffel class library. 32th conference on Technology of Object-Oriented Languages & Systems - TOOLS Pacific'99, Nov 1999, Melbourne, Australia, pp.188 - 199, 10.1109/TOOLS.1999.809425 . inria-00098784

**HAL Id: inria-00098784**

**<https://inria.hal.science/inria-00098784>**

Submitted on 26 Sep 2006

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## F Implementation of ITERATOR for LINKED\_LISTS.

```
class ITERATOR_ON_LINKED_LIST[E] inherit ITERATOR[E];
creation make
feature {NONE}
  linked_list: LINKED_LIST[E]; -- The list to traverse.
  current_link: LINK[E]; -- Memorize the current item position.
feature
  make(ll: LINKED_LIST[E]) is
    require
      ll /= Void
    do
      linked_list := ll;
      current_link := linked_list.first_link;
    ensure
      linked_list = ll
    end;
  start is
    do current_link := linked_list.first_link; end;
  is_off: BOOLEAN is
    do Result := current_link = Void; end;
  item: E is
    do Result := current_link.item; end;
  next is
    do current_link := current_link.next; end;
end
```

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