

## Adding external iterators to an existing Eiffel class library

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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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