

gensym

The [gensym](#) function generates a unique symbol.

```
; returns symbol G_x, where x is some number that has not been previously used  
(gensym)  
  
; returns symbol foox, where x is some number that has not been previously used  
(gensym "foo")
```

```
(defmacro make-fn [exp]  
  (list 'fn '[foo] (list 'foo exp)))  
  
(make-fn bar)      ; (fn [foo] (foo bar))  
(make-fn foo)     ; (fn [foo] (foo foo))
```

```
(defmacro make-fn [exp]  
  (let [x (gensym)]  
    (list 'fn (vector x) (list x exp))))  
  
(make-fn bar)      ; (fn [G_49] (G_49 bar))  
(make-fn foo)     ; (fn [G_52] (G_52 foo))
```

- [Clojure](#)

From:
<https://jace.link/> - **Various Ways**

Permanent link:
<https://jace.link/open/gensym>

Last update: **2021/11/01 07:15**

