

61A Extra Lecture 8

Announcements

Homoiconicity

A Scheme Expression is a Scheme List

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(Demo)

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Macros

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```
(define-macro (for sym expr vals)
```

```
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Quasi-Quoting

(Demo)

Variable-Length Parameter Lists

(Demo)

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scm> (nest 3 4 5 6)  
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(define (nest first . rest)

  (if (null? rest)

      (list first)

      (list first (apply nest rest))))
```

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(3)
```

```
scm> (nest 3 4 5 6)
(3 (4 (5 (6))))
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Temporary Symbols

(Demo)