



i116 Basic of Programming - 4. User-defined data structures (1)

How to define data structures

- What are called "structure," "record," etc. are used to define data structures in some other programming languages, such as C and Pascal.
- "class" is used to define data structures in Python, which has an aspect of objectoriented programming like Java in which "class" is used to define data structures (or the structure of objects)







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|---|--|
| User-defined lists | |
| | There are two <i>instance variables</i> (or attributes) in class NnLIST. |
| <pre>class NnList(List): definit(self,h,t): self.head = h self.tail = t def cons(self,e): return NnList(e,self) def append(self,l): return NnList(self.head) def len(self): return 1 + self.tail.len(defstr(self): return str(self.head) +</pre> |) |













































