

CPP #1 Assignment:

Implement a double-linked list.

- 1: select circularly-linked list data structure to implement double-linked list. Define a **LIST** and **NODE** data structure. See figure-1.

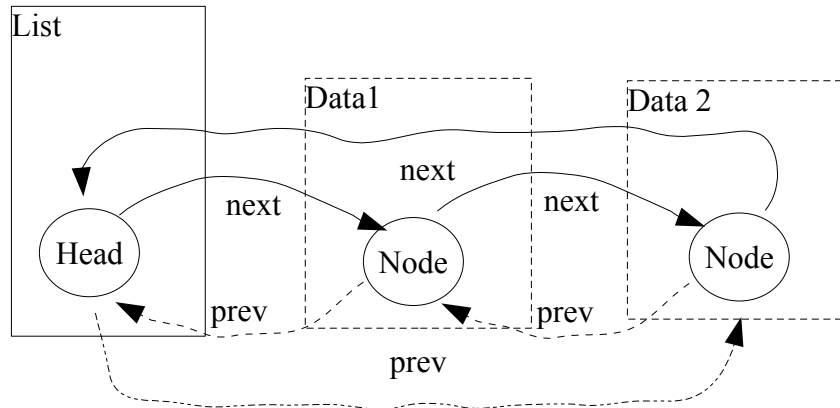


Figure-1 : Circularly-linked list

- 2: provide list init function
- 3: provide node insert and delete function.
- 4: define a DATA structure include a integer number and a NODE member.

Test list:

- 5: write a test program. Randomly create 20 objects of DATA, and insert them to a list.
- 6: iterate whole list to print out the data value.
- 7: randomly pick up a data in the list and delete it from list.
- 8: show the whole list again.