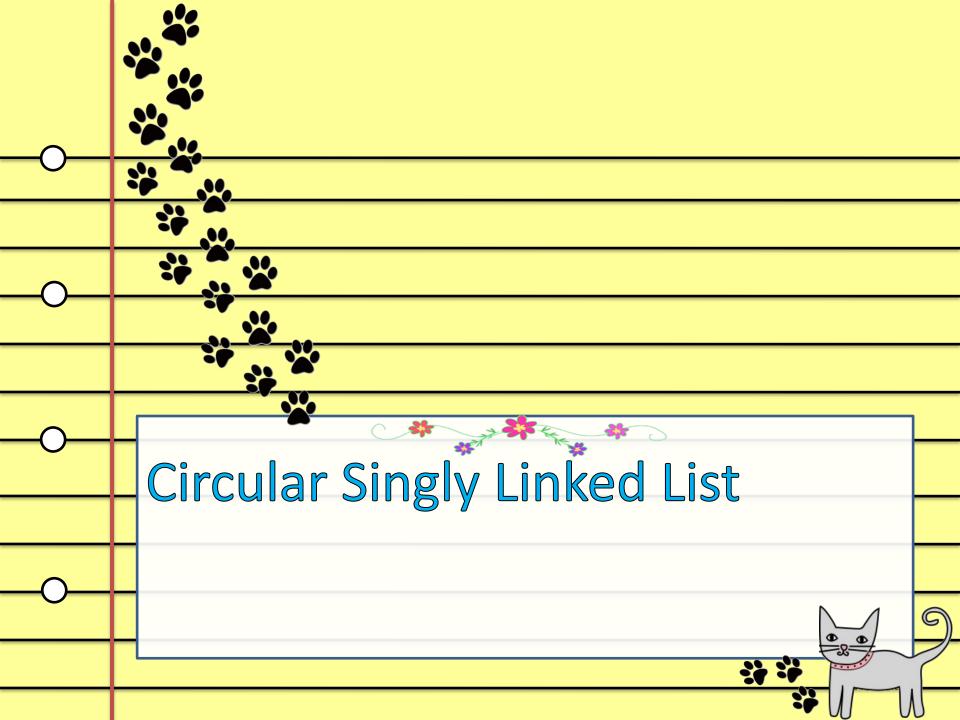


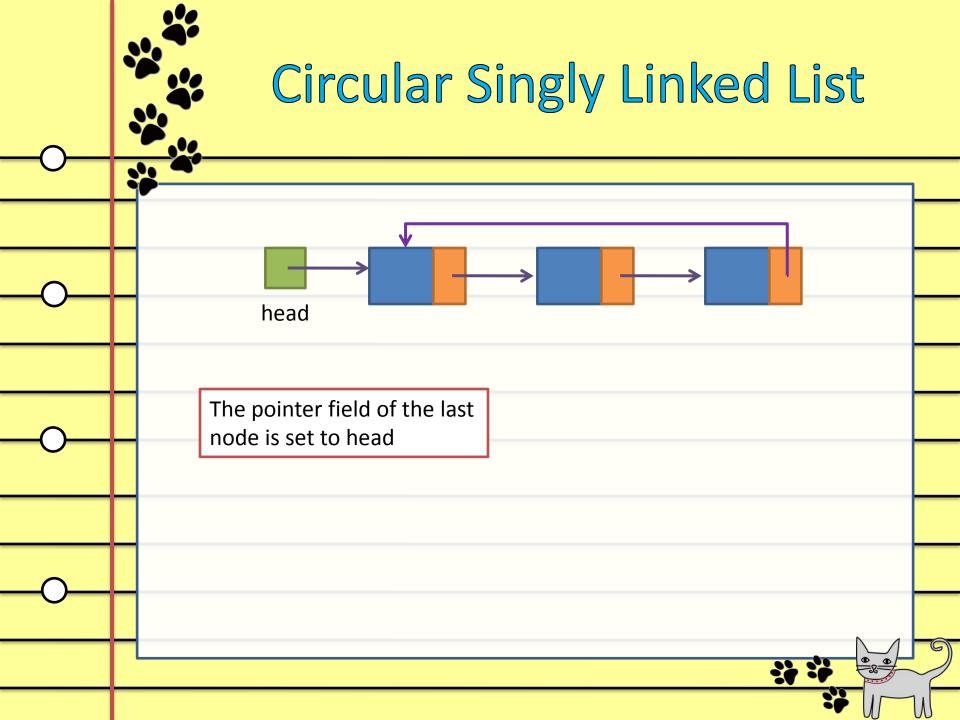
2nd Semester 2011-2012





Circular Singly Linked List

 Like a singly linked list, except that the pointer of the last node is set to point to the first node



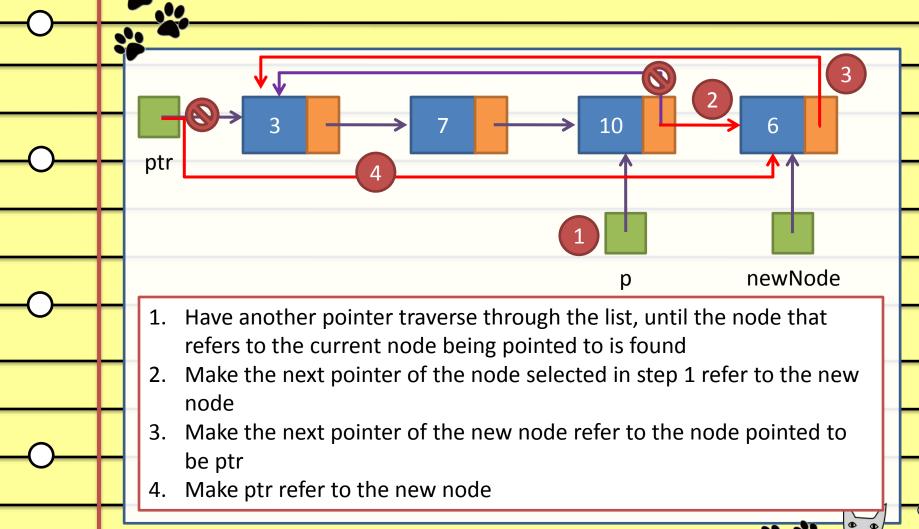


Operations on Circular Singly Linked Lists

- Insert a new node before the current node being pointed
- Insert a new node after the current node being pointed
- Delete a new node before the current node being pointed
- Delete a new node after the current node being pointed

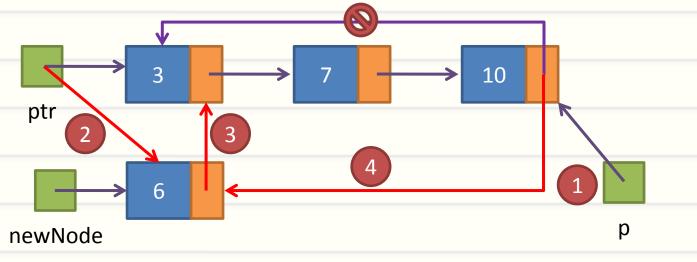


Insert before the current node





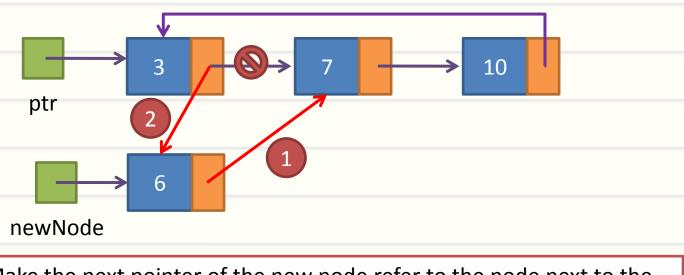
Insert before the current node



- Have another pointer traverse through the list, until the node that refers to the current node being pointed to is found
- 2. Make ptr refer to the new node
- 3. Make the next pointer of the new node refer to ptr



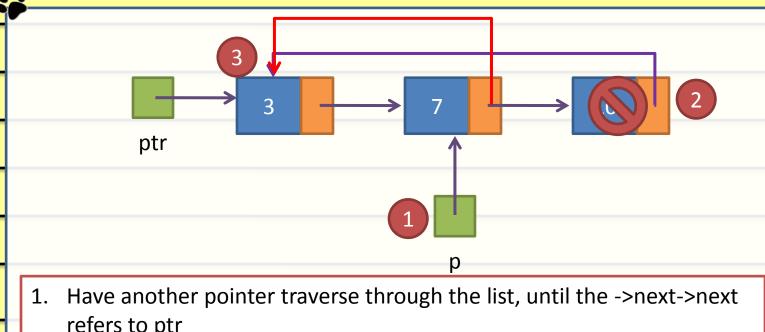
Insert after the current node



- 1. Make the next pointer of the new node refer to the node next to the one pointed to by ptr
- 2. Make the next pointer of the node pointed to by ptr refer to the new node



Delete before the current node



- refers to ptr
- 2. free the node next to the one selected in step 1
- 3. Make the next pointer of the node selected in step 1 refer to the one pointed to by ptr

