**Lab 4**

**Note: Show your code to the TAs at the end of the lab**

1. Modify Q3 done in Lab 3 to add the following: ***Note: No global pointer variables should be used.***
   1. Write a function to insert a node at the end of the linked list. Again, take the integer to be inserted from the user
   2. Call your function to display your list again.
   3. Write a function to insert a node with integer 12 after a particular node with integer value, x, in the linked list. Take the value of x from the user.
   4. Call your function to display your modified list
   5. Write a function to insert a node before the node with value 12. Take the value of the node to be inserted from the user.
   6. Call your function to display your modified list
   7. Write a function to delete a node of your linked list. Take the choice of the node from the user. Test your code for a node for the first node, last node and any other node of the linked list. Call your function to display your modified list
2. Write a function to create a circular linked list. Insert values 12, 13, 88, 99 in it. Write a display function to display the values.