WRITE AN ALGORITHM AND PROGRAM FOR THE FOLLOWING:

1. IMPLEMENT STACK AS LINKED LIST

ALGORITHM:

1. Create a linked list with first node as null pointer.
2. When an item is pushed in stack add a new node in the beginning of the linked list
3. If an item is to be popped from the stack, check if the list is empty, if so, throw UNDERFLOW and terminate process
4. If list is not empty then remove the item at the beginning of the linked list(i.e. the top of the stack).
5. Display the item stored in the first node of the list when peek( ) is called.

PROGRAM CODE: