

# Singly-linked list algorithms

## **push to front**

get space for new node  
add data to new node  
temp = header  
header = pointer to new node  
new node's fwd pointer = temp

## **push to back**

get space for new node  
set new node's fwd pointer to null  
add data to new node  
temp = header  
if (temp not null)  
    while (fwd pointer in node pointed to by temp not null)  
        temp = fwd pointer from node pointed to by temp  
    fwd pointer in node pointed to by temp = pointer to new node  
else  
    header = pointer to new node