

WRITE CODES WITH DIAGRAM

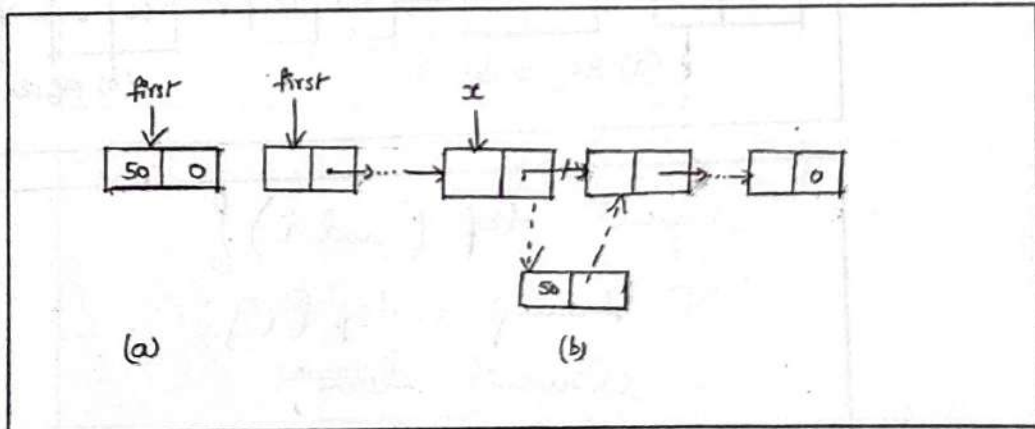
Performance Assessment for Third Semester Students A/B-Section

Linked List

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- Write C functions to perform the following operations on singly linked list.
 - Simple insert into front of list.



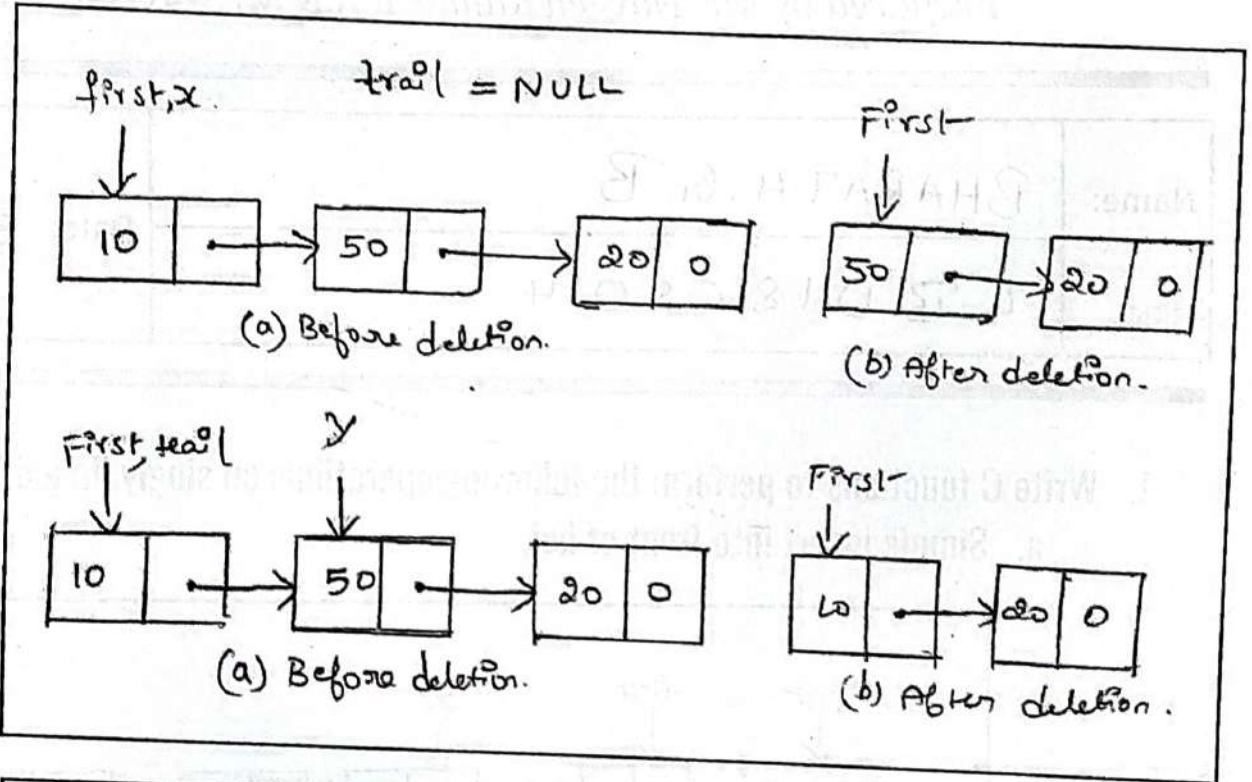
```

void insert(int i, WRITE CODE HERE element, item)
{
    SP temp;
    malloc();
    temp -> data = item;
    temp -> link = top[i];
}
    
```

$top[i] = temp$

}

b. Deletion from a list



element $top[i]$ {

SP $temp = top[i];$

element $item;$

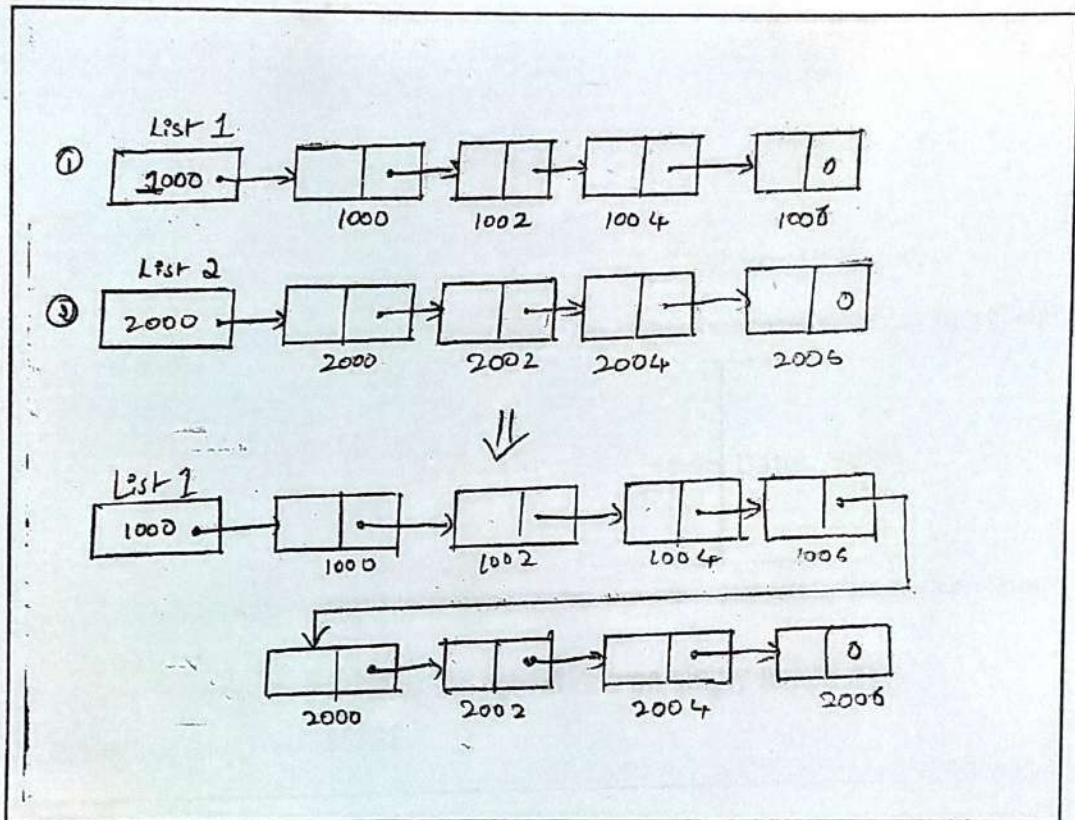
$item \rightarrow temp \rightarrow data$

$top[i] = temp \rightarrow link$


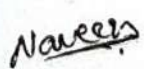
~~$free(temp);$~~

} $return item;$

f. Concatenating Singly Linked List



WRITE CODE HERE



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