

Q10.

```
void reverseAndPrint(linkedList *lst)
```

```
{  
  
    int i;  
  
    struct DLink *current = lst->backSentinel;  
  
    do  
    {  
  
        struct DLink *tmp = lst->current->prev;  
  
        lst->current->prev = lst->current->next;  
  
        lst->current->next = tmp;  
  
        current = current->next;  
  
    }while(current->next != NULL);  
  
    /*switching the sentinels before printing the list from front to back*/  
  
    struct DLink *tmpSentinel = lst->frontSentinel;  
  
    lst->frontSentinel = lst->backSentinel;  
  
    lst->backSentinel = lst->tmpSentinel;  
  
    current = lst->frontSentinel->next;  
  
    /*printing the list from the front to back; the result will be reversed*/  
  
    while(current != lst->backSentinel)  
    {  
  
        printf("%d ", current->value);  
  
        current = current->next;  
  
    }  
  
}
```