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)

{

pritntf(“%d “, current->value);

current = current->next;

}

}