**class** GfG {

**static** **class** Node

{

**char** data;

    Node prev;

    Node next;

}

**static** Node head = **null**;

**static** **void** rotate( **int** N)

{

**if** (N == 0)

**return**;

    Node current = head;

**int** count = 1;

**while** (count < N && current != **null**)

    {

        current = current.next;

        count++;

    }

**if** (current == **null**)

**return**;

   Node NthNode = current;

**while** (current.next != **null**)

        current = current.next;

    current.next = head;

    (head).prev = current;

     head = NthNode.next;

     (head).prev = **null**;

     NthNode.next = **null**;

}

**static** **void** push(**char** new\_data)

{

    Node new\_node = **new** Node();

    new\_node.data = new\_data;

    new\_node.prev = **null**;

    new\_node.next = (head);

**if** ((head) != **null**)

        (head).prev = new\_node;

head = new\_node;

}

**static** **void** printList(Node node)

{

**while** (node != **null** && node.next != **null**)

    {

        System.out.print(node.data + " ");

        node = node.next;

    }

**if**(node != **null**)

    System.out.print(node.data);

}

**public** **static** **void** main(String[] args)

{

 push( 'e');

    push( 'd');

    push('c');

    push('b');

    push( 'a');

**int** N = 2;

    System.out.println("Given linked list ");

    printList(head);

    rotate( N);

    System.out.println();

    System.out.println("Rotated Linked list ");

    printList(head);

}}