

```
void Delete_Dul_LinkList(DulNode * L, ElemType key) {
    DulNode * q = L, * p = L -> next;
    if (q -> next == NULL) {
        printf("This is empty circular linked list!\n");
        printf("No element can be deleted!\n");
    } else {
        while (p -> next != NULL && p -> data != key) {
            q = p;
            p = p -> next;
        }
        if (p -> next != NULL && p -> data == key) {
            p -> prior -> next = p -> next;
            p -> next -> prior = p -> prior;
            free(p);
        } else if (p -> next == NULL && p -> data == key) {
            p -> prior -> next = p -> next;
            free(p);
        } else if (p -> next == NULL && p -> data != key) {
            printf("The element you want to delete doesn't exist !!\n");
        }
    }
}
```

