```
class Mylinkedlist:
    class nodes:
        def __init__(self,data):
            self.data = data
            self.next = None
    def __init__(self):
        self.head=None
    def insertb(self,data):
        new_node = Mylinkedlist.nodes(data)
        new_node.next=self.head
        self.head=new_node
    def inserte(self,data):
        new_node=Mylinkedlist.nodes(data)
        if self.head==None:
            self.head=new_node
            return
        current=self.head
        while current.next:
            current=current.next
        current.next=new_node
    def insertaft(self,data,prev_node):
        new_node=Mylinkedlist.nodes(data)
        new_node.next=prev_node.next
        prev_node.next=new_node
    def print_linkedlist(self):
        current=self.head
        while current:
            print(current.data,end='--->')
            current=current.next
    def search(self,val):
        current=self.head
        while current:
            if current.data==val:
                return True
            current=current.next
        return False
    def deletefirst(self):
        self.head = self.head.next

    def delend(self):
        if self.head==0:
            return
        current=self.head
        while current.next.next:
            current=current.next
        current.next=None
        #return current.data
    def del_by_val(self, x):
        if self.head.data == x:
```

```
            self.head = self.head.next
        current = self.head
        while current.next:
            if current.next.data != x:
                current = current.next
            else:
                break
        if current.next:
            current.next = current.next.next
        else:
            "Not found"


ll=Mylinkedlist()
ll.insertb(8)
ll.insertb(5)
ll.insertb(3)
ll.print_linkedlist()
```

```
3--->5--->8--->
```

```
ll.search(5)
```

```
True
```

```
ll.deletefirst()
ll.print_linkedlist()
```

```
5--->8--->
```

```
ll.delend()
ll.print_linkedlist()
```

```
5--->
```

```
ll.del_by_val(8)
ll.print_linkedlist()
```

```
5--->
```