Find the middle :

public int findMiddle(){  
  
 Node slower=head;  
 Node faster=head;  
  
 while(faster !=null && faster.next !=null){  
  
 slower=slower.next;  
 faster=faster.next.next;  
 }  
 return slower.value;  
}

reverse logic

public void reverse(){  
  
 Node previous=null;  
 Node current= head;  
  
  
 while(current !=null){  
 Node next=current.next;  
 current.next=previous;  
 previous=current;  
 current=next;  
 }  
 head = previous;  
  
}

rearrange logic::

Node first=head;  
  
while(second !=null){  
 Node temp1=first.next;  
 Node temp2=second.next;  
  
 first.next=second;  
 second.next=temp1;  
  
 first=temp1;  
 second=temp2;  
  
}