Algorithm to count the number of even and odd nodes in

singly link list

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CountEvenOdd(Start)

if(start=NULL)

print "The list is empty"

end if

ptr <- start

countE<-0

countO<-0

repeat

if(data->ptr % 2 = 0)

countE<-countE+1

countO <- countO + 1 ptr<-link->ptr if(link->ptr = NULL)

end repeat print " Number of even elements in link list is "

print countE print " Number of odd elementd in link list is "

print countO

Node

Input:

Number of even elements in link list is 1 Number of odd elements in list is 2