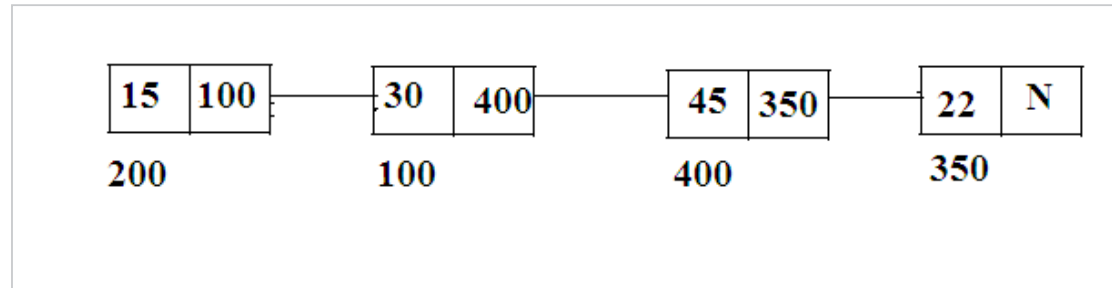# Count no. Of even and odd nodes in a singly linked list

Monday, August 10, 2020   3:14 PM

Write an algorithm to count no. Of even and odd nodes in a singly linked list-

```
Countnode(start)
If start=null
    Print"error"
    Exit
End if
    Ptr<-start
    Evencount<-0
    Oddcount<-0
    Repeat
        If data->ptr%2==0
                Evencount->evencount+1
        Else
                Oddcount->oddcount+1
    End if
        Ptr<-link->ptr
        If ptr->null
        Exit
        End repeat
Print evencount,oddcount
end
```

Data=15 Condition-15%2==0 =false Oddcount->0+1 Oddcount->1	Data=30 Condition-30%2==0 =true Evencount->0+1 Evencount->1
Data=45 Condition-45%2==0 =false Oddcount->1+1 Oddcount->2	Data=22 Condition-22%2==0 =true Evencount->1+1 Evencount->2
Odd nodes = 2	Even nodes=2