

**Q. Write algorithm which will print all the node number having data part contain even value.**

Algorithm:-

evennodeno(start)

if start=null

    print"error"

exit

end if

ptr<-start

nodeno<-1

repeat

    if data->ptr%2=0

        print nodeno

    end if

    ptr<-link->ptr

    nodeno<-nodeno+1

    if ptr=null

        exit

    end if

end repeat

end

**Q. Write algorithm which will insert a node at the beginning of singly linked list.**

Algorithm:-

Insertbegin(start, avail, item)

If avail=null

    Print"overflow"

    exit

end if

save<-avail

avail<-link->avail

if start=null

    start<-save

    data->start<-item

    link->start<-null

    exit

end if

ptr<-start

start<-save

data->start<-item

link->start<-ptr

end