Merging Two Linked lists

```
p=create(n);
q=create(m);
r=null
while (both lists not over)
    if (p->data< q->data)
        if(first time)
            r=getnode()
            start=prev=r
        else
            r=getnode()
            prev->next=r
            prev=r
        copy p->data to r->data
        r->next=NULL

    else

            if(first time)
            r=getnode()
            start=prev=r
        else
            r=getnode()
            prev->next=r
            prev=r
        copy q->data to r->data
        r->next=NULL


if (p==NULL) /* list q is not over
    while(q not over)
        if(first time)
            r=getnode()
            start=prev=r
        else
            r=getnode()
            prev->next=r
            prev=r
        copy q->data to r->data
        r->next=NULL

if (q==NULL) /* list p is not over
    while(p not over)
        if(first time)
            r=getnode()
            start=prev=r
        else
            r=getnode()
            prev->next=r
            prev=r
        copy p->data to r->data
        r->next=NULL


return(start)
```