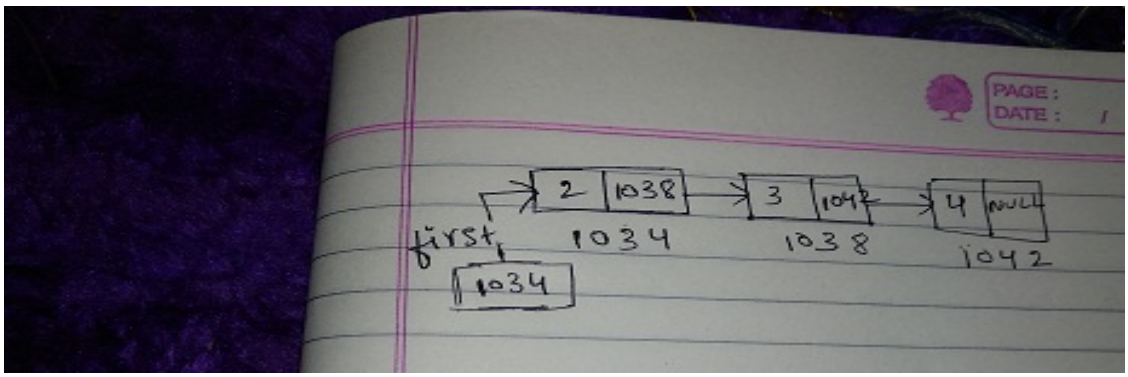
Length of linked list.:




```
void len()
{
        int count=0;
        struct node *temp;
        temp=first;
        while(temp!=NULL)
        {
                count++;
                temp=temp->link;
        }
        printf("the length is %d", count);
}
```

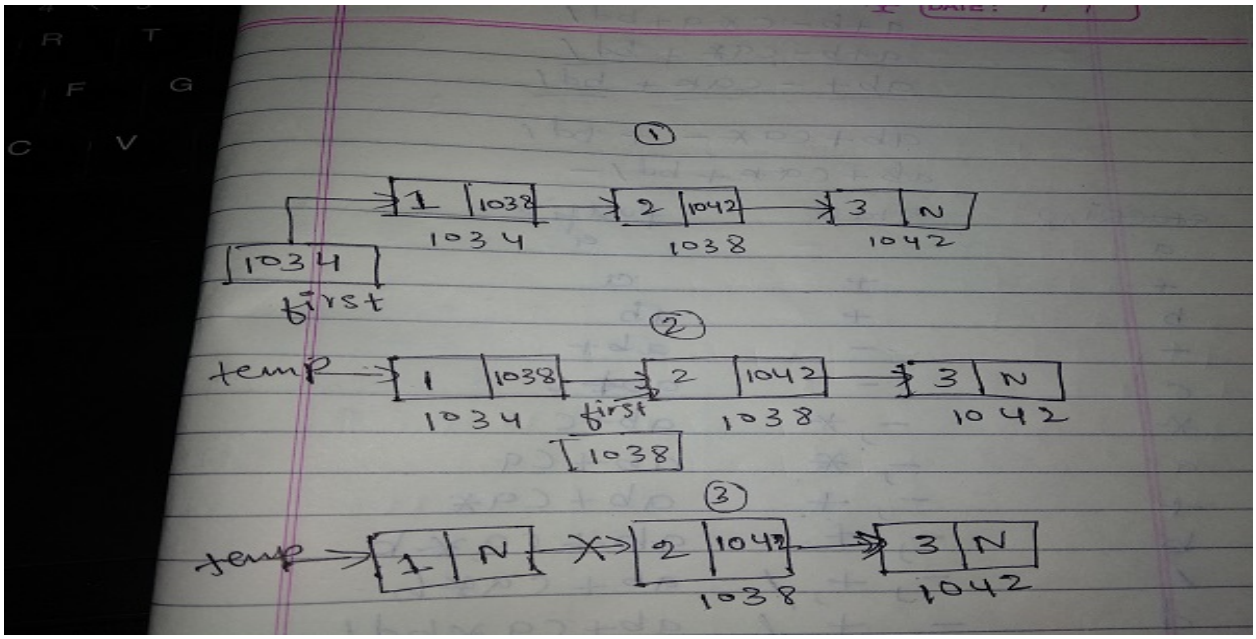
Display content of list.

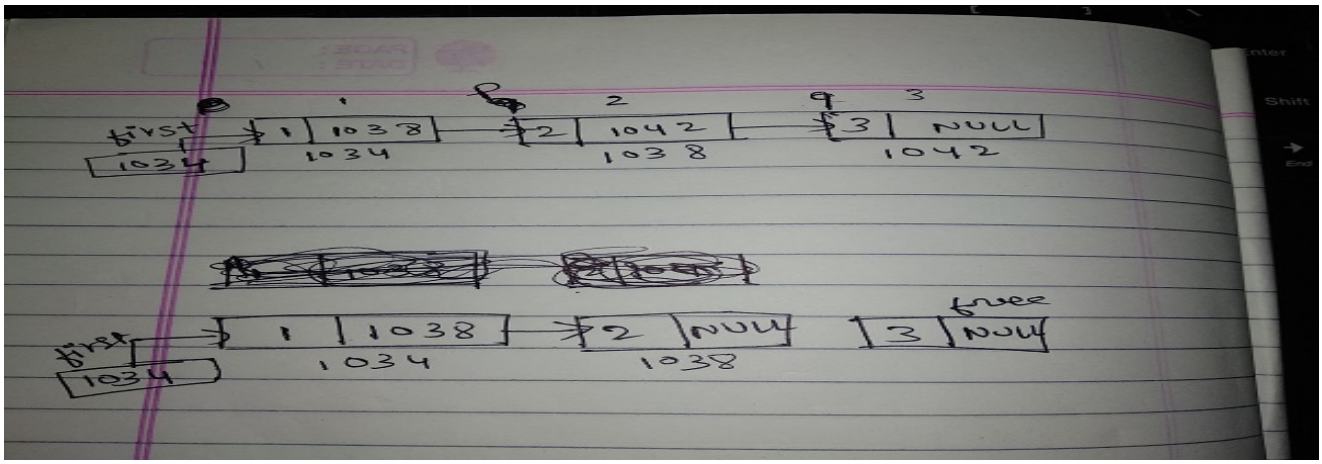
```
display()
{

        struct node *temp;
        if(first==NULL)
        {
                printf("list is empty");
        }
```

```
        while(temp!=NULL)
        {
                printf("%d",temp->data);
                temp=temp->link;
        }
}
```

Deletion :





Delete at given position.

```
void delete()
{
        Struct node *temp,*p,*q;
        Int loc, len, i=1;
        Printf(“enter location to delete”);
        Scanf(“%d”,&loc);
        len=length();
        If(loc>len)
        {
                Printf(“invalid location”);
        }
        else if(loc==1)
        {
                temp=first;
                first=temp->link;
                temp->link=NULL;
                free(temp);
        }
        else
        {
                p=first;
                while(i<loc-1)
                {
                        p=p->link;
                        i++;
                }
                q=p->link;
                p->link=q->link;
                q->link=null;
                free(q);
```

```
        }
    }
```