

Concatenate two Linked List

```
#include <stdio.h>
#include <stdlib.h>

struct Node
{
    int data;
    struct Node *next;
}*first=NULL,*second=NULL,*third=NULL;

void Display(struct Node *p)
{
    while(p!=NULL)
    {
        printf("%d ",p->data);
        p=p->next;
    }
}

void create(int A[],int n)
{
    int i;
    struct Node *t,*last;
    first=(struct Node *)malloc(sizeof(struct Node));
    first->data=A[0];
    first->next=NULL;
    last=first;

    for(i=1;i<n;i++)
    {
        t=(struct Node*)malloc(sizeof(struct Node));
        t->data=A[i];
        t->next=NULL;
        last->next=t;
        last=t;
    }
}

void create2(int A[],int n)
{
    int i;
    struct Node *t,*last;
    second=(struct Node *)malloc(sizeof(struct Node));
```

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second->data=A[0];
second->next=NULL;
last=second;

for(i=1;i<n;i++)
{
    t=(struct Node*)malloc(sizeof(struct Node));
    t->data=A[i];
    t->next=NULL;
    last->next=t;
    last=t;
}
}

```

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void Concat(struct Node *p,struct Node *q)
{
    third=p;

    while(p->next!=NULL)
        p=p->next;
    p->next=q;
}

```

```

int main()
{

    int A[]={10,20,40,50,60};
    int B[]={70,80,90,100,110};
    create(A,5);
    create2(B,5);


    Concat(frist,second);
    Display(third);

    return 0;
}

```