Circular Single Linked List

```c
#include<stdio.h>
#include<conio.h>

struct circular
{
   int data;
   struct circular *next;
};


struct circular *temp;
struct circular *head;
struct circular *p;
struct circular *mid;
struct circular *move;

int cnt=0;


void create(void);
void insert(void);
void display(void);
void del(void);

void main()
{
   int ch=0;
   clrscr();
   while(ch!=5)
   {
      printf("\n1.CREATE");
      printf("\n2.INSERT");
      printf("\n3.DELETE");
      printf("\n4.DISPLAY");
      printf("\n5.EXIT");
      scanf("%d",&ch);
```

```c
        if(ch==1)
        {
            create();
            cnt++;
            cnt++;
        }

        if(ch==2)
        {
            insert();
            cnt++;
        }
        if(ch==3)
        {
            del();
            cnt--;
        }

        if(ch==4)
        {
            display();
        }

        if(ch==5)
        {
            break;
        }
    }
    getch();
}

void create()
{
    head=(struct circular *)malloc(sizeof(struct circular));
    head->next=head;
    printf("ENETER THE DATA");
    scanf("%d",&head->data);
    temp=head;
```

```c
        temp->next=(struct circular *)malloc(sizeof(struct circular));
        temp=temp->next;
        temp->next=head;
        printf("ENETER THE DATA");
        scanf("%d",&temp-> data);
}

void insert()
{
    int add,t;

    printf("\n\t ENTER ANY NUMBER BETWEEN 1 AND %d",cnt);
    scanf("%d",&add);
    p=head;
    t=1;
    while(t<add)
    {
        p=p->next;
        t++;
    }
    printf("%d",p-> data);
    clrscr();
    mid=(struct circular *)malloc(sizeof(struct circular));
    printf("ENETER THE DATA");
    scanf("%d",&mid-> data);
    mid->next=p->next;
    p->next=mid;
}


void display()
{
    p=head;
    printf("%d-->",p-> data);
    p=p->next;
    while(p!=head)
    {
        printf("%d-->",p-> data);
        p=p->next;
```

```c
		}
	}


void del(void)
{
	int add,t;

	printf("\n\t ENTER ANY NUMBER BETWEEN 1 AND %d",cnt);
	scanf("%d",&add);
	p=head;
	t=1;
	while(t<add-1)
	{
		p=p->next;
		t++;
	}
	printf("%d",p-> data);
	clrscr();
	mid=p->next;
	p->next=mid->next;

}
```