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/**********************SUBHAS NATH*******************/
/****************************************************/
/******PROGRAM OF CIRCULAR DOUBLE LINKED LIST*****/

#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
typedef struct link
 {
  struct link *prev;
  int info;
  struct link *next;
 }node;

void main()
 {
  node *head1,*head2;
  void creat(node *,node *);
  void show(node *,node *);
  head1=(node *)malloc(sizeof(node));
  head2=head1;
  clrscr();
  printf("\nCreate a doubly circular linked list");
  creat(head1,head2);
  printf("\nDisplay ");
  show(head1,head2);
  getch();
 }

void creat(node *temp1,node *temp2)
 {
  node *p,*q;
  char ans;
  while(1)
   {
    p=temp1;
    printf("\nEnter the info::   ");
    scanf("%d",&temp1->info);
    printf("\nWant another?");
    fflush(stdin);
    ans=getchar();
    if(ans!='y')
     break;
    else
     {
      temp1->next=(node *)malloc(sizeof(node));
      temp1=temp1->next;
      temp1->prev=p;
     }
   }
  temp1->next=temp2;
  temp2->prev=temp1;
 }
```

```
void show(node *temp1,node *temp2)
 {
 node *p;
  while(temp1->next!=temp2)
   {
    printf("%4d",temp1->info);
    temp1=temp1->next;
   }
  if(temp1->next==temp2)
   printf("%4d",temp1->info);
   p=temp1;
  while(temp1->prev!=p)
    {
    printf("%4d",temp1->info);
    temp1=temp1->prev;
   }
  if(temp1->prev==p)
   printf("%4d",temp1->info);
 }
```