Name : Rinoy Kuriyakose

Roll no : 56 -R3

#include<stdio.h>  
#include<stdlib.h>  
  
struct node{  
 int \*data;  
 int count;  
 struct node \*link;  
};  
  
void createLinkedList(int \*arr ,int p,int q,int s ,struct node\* header){  
 struct node\* ptr=header->link;  
 struct node\* new = (struct node\*)malloc(sizeof(struct node));  
 ptr->link=new;  
 ptr->link->data=(int\*)malloc(s\*sizeof(int));  
 int count =0;  
 for(int j=p;j<q;j++){  
 ptr->link->data[count]=arr[j];  
 count++;  
 }  
 ptr->link->count = count;  
 ptr->link->link = NULL;  
}  
  
  
void display(struct node\* header){  
 struct node\* ptr=header;  
 while(ptr->link!=NULL){  
 ptr=ptr->link;  
 for(int i=0;i<ptr->count;i++)  
 printf(" %d ",ptr->data[i]);  
 }  
}  
  
void main(){  
 int n,m;  
 struct node\* header = (struct node\*)malloc(sizeof(struct node));  
 header->link=NULL;  
 printf("\n Enter the value of n :");  
 scanf("%d",&n);  
 printf("\n Enter the value of m :");  
 scanf("%d",&m);  
 int arr[n];  
 printf("\n Enter the Element :");  
 for(int i=0;i<n;i++){  
 scanf("%d", &arr[i]);  
 }  
 for(int i=0;i<n-m;i=i+m){  
 if((i+m)<n){  
 createLinkedList(arr,i,i+m,m,header);  
 }else{  
 createLinkedList(arr,i,n-1,n-1-i,header);  
 }  
 }  
 display(header);  
}

