ASSIGNMENT DAY-3

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Question 1

Write the program for deleting an element from the beginning and from any position

Ans)

#include<stdio.h>

void delbeg();

void delpos();

struct node{

int data;

struct node \* next;

}Node;

Node \*head=null;

void main()

{

int n,i,;

scanf(“%d”,&n);

for(i=1;i<=n;i++)

{

create();

}

delbeg();

delpos();

}

void create(int p)

{

Node \*n,\*temp;

int p;

scanf("%d",&p);

n=(Node\*)malloc(sizeof(Node));

n->data=p;

n->next=null;

if(head==null)

{

head=n;

}

else{

temp=head;

while(temp->next!=null)

{

temp=temp->next;

}

temp->next=n;

}

}

void delbeg()

{

Node \*temp1;

temp1=head;

head=head->next;

temp1->next=null;

}

void delpos()

{

Node \*y,\*temp2;

temp2=head;

int pos;

scanf("%d",&pos);

for(int i=1;i<pos;i++)

{

y=temp2;

temp2=temp2->next;

}

y->next=temp2->next;;

temp2->next=null;

}

}

Question 2

Write the program for printing the array after rotating it k times towards left, where k would be

taken as user input.

Sol:-

#include<stdio.h>

int main()

{

int n,i,j,k;

scanf("%d%d",&n,&k);

int a[n];

for(i=0;i<n;i++)

{

scanf("%d",&a[i]);

}

for(j=0;j<n;j++)

{

printf("%d",a[(j+k)%n]);

}

}

