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Online C Compiler.

Code, Compile, Run and Debug C program online.

Write your code in this editor and press "Run" button to compile and execute it.

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#include <stdio.h>

#include <conio.h>

#include <stdlib.h>

struct node

{

int info;

struct node \*link;

}\*root;

void addlast()

{

struct node \*temp;

temp=(struct node\*)malloc(sizeof(struct node));

printf("enter the value");

scanf("%d",&temp->info);

temp->link=NULL;

if(root==NULL)

{

root=temp;

}

else

{

struct node \*p;

p=root;

while(p->link!=NULL)

{

p=p->link;

}

p->link=temp;

}

}

void addinbetween()

{

int i;

struct node \*temp;

temp=(struct node\*)malloc(sizeof(struct node));

printf("enter the value");

scanf("%d",&temp->info);

temp->link=NULL;

if(root==NULL)

{

root=temp;

}

else

{

struct node \*p;

p=root;

printf("enter the number where to add");

scanf("%d",&i);

while(i>1)

{

p=p->link;

i--;

}

struct node \*t;

t=p->link;

temp->link=t;

p->link=temp;

}

}

void delete()

{

int i,j=1;

printf("enter the number of node to delete");

scanf("%d",&i);

{

struct node \*p;

p=root;

while(j<i)

{

p=p->link;

j++;

}

struct node \*temp;

temp=p->link;

p->link=temp->link;

}

}

void display()

{

struct node \*p;

p=root;

if(p==NULL)

{

printf("linked list is empty");

}

else

{

while(p->link!=NULL)

{

printf("%d\n",p->info);

p=p->link;

}

printf("%d\n",p->info);

}

}

void main()

{

int k;

while(1)

{

printf("enter the number to perform\n1.ADDING\n2.ADD IN BETWEEN\n3.DELETING\n4.DISPLAY\n5.EXIT\n");

scanf("%d",&k);

switch(k)

{

case 1: addlast();

break;

case 2: addinbetween();

break;

case 3: delete();

break;

case 4: display();

break;

case 5: exit(1);

break;

default:printf("enter the number between 1 to 4");

}

}

}

enter the number to perform

1.ADDING

2.ADD IN BETWEEN

3.DELETING

4.DISPLAY

5.EXIT

1

enter the value20

enter the number to perform

1.ADDING

2.ADD IN BETWEEN

3.DELETING

4.DISPLAY

5.EXIT

1

enter the value30

enter the number to perform

1.ADDING

2.ADD IN BETWEEN

3.DELETING

4.DISPLAY

5.EXIT

1

enter the value40

enter the number to perform

1.ADDING

2.ADD IN BETWEEN

3.DELETING

4.DISPLAY

5.EXIT

1

enter the value50

enter the number to perform

1.ADDING

2.ADD IN BETWEEN

3.DELETING

4.DISPLAY

5.EXIT

4

20

30

40

50

enter the number to perform

1.ADDING

2.ADD IN BETWEEN

3.DELETING

4.DISPLAY

5.EXIT

2

enter the value10

enter the number where to add2

enter the number to perform

1.ADDING

2.ADD IN BETWEEN

3.DELETING

4.DISPLAY

5.EXIT

4

20

30

10

40

50

enter the number to perform

1.ADDING

2.ADD IN BETWEEN

3.DELETING

4.DISPLAY

5.EXIT

5