```
#include<stdio.h>
#include<math.h>
struct node
     int data;
     struct node *next;
| *front, *rear, *temp;
void insert()
      int n;
       struct node *newnode;
     printf("Enter the data\n");
     scanf ("%d", &n);
     newnode=(struct node*)malloc(sizeof(struct node));
     newnode->data=n;
     newnode->next=NULL;
     if(front==0&&rear==0)
         front=rear=newnode;
     else
         rear->next=newnode;
         rear=newnode;
void display()
     temp=front;
     while (temp!=NULL)
```

```
temp=front;
    while (temp!=NULL)
        printf("%d", temp->data);
        temp=temp->next;
void delete()
    temp=front;
    front=temp->next;
    free (temp);
void main()
     int choice;
    while (1)
        printf("\n1.insert\n");
        printf("2. display\n");
        printf("3. delete\n");
        printf("4. exit\n");
        printf ("Enter your choice: ");
        scanf ("%d", &choice);
```

void display()

- }

```
printf("\nl.insert\n");
printf("2. display\n");
printf("3. delete\n");
printf("4. exit\n");
printf("Enter your choice: ");
scanf ("%d", &choice);
switch (choice)
    case 1:
       insert();
       break;
    case 2:
        display();
        break;
    case 3:
        delete();
        break;
    case 4:
        exit(0);
        break;
    default:
        printf("Invalid choice\n");
```

```
1.insert
2. display
3. delete
4. exit
Enter your choice: 1
Enter the data
2
1.insert
2. display
3. delete
4. exit
Enter your choice: 1
Enter the data
3
1.insert
2. display
3. delete
4. exit
Enter your choice: 1
Enter the data
1.insert
2. display
3. delete
4. exit
Enter your choice: 2
234
1.insert
display
3. delete
4. exit
Enter your choice: 3
1.insert
2. display
3. delete
4. exit
Enter your choice: 2
34
1.insert
display
3. delete
4. exit
Enter your choice:
```

```
#include<stdio.h>
#include<math.h>
struct node
    int data;
    struct node *next;
} *top;
void push ()
    int n;
    struct node *newnode;
    printf ("Enter the data\n");
    scanf ("%d", &n);
    newnode=(struct node*)malloc(sizeof(struct node));
    newnode->data=n;
    newnode->next=top;
    top=newnode;
void display()
    struct node *temp;
    temp=top;
    while (temp!=0)
        printf("%d\t", temp->data);
        temp=temp->next;
```

```
struct node *newnode;
   printf ("Enter the data\n");
   scanf ("%d", &n);
   newnode=(struct node*)malloc(sizeof(struct node));
   newnode->data=n;
   newnode->next=top;
   top=newnode;
void display()
   struct node *temp;
   temp=top;
   while (temp!=0)
       printf("%d\t", temp->data);
       temp=temp->next;
void pop()
    struct node *temp, *nextnode;
    temp=top;
    nextnode=temp->next;
    top=nextnode;
    free (temp);
void main()
```

int choice;

```
void main()
₽{
     int choice;
     while (1)
     printf("Enter the choice\n");
     scanf ("%d", &choice);
     printf("Enter 1.push 2.display 3.pop 4.exit\n");
     switch (choice)
         case 1:push();
         break;
         case 2:display();
         break;
         case 3:pop();
         break;
         case 4:exit(0);
         break;
         default :
             printf("invalid input\n");
```

```
1. push
2. display
3. pop
4. exit
Enter your choice: 1
Enter the data
2
1.push
display
3. pop
4. exit
Enter your choice: 1
Enter the data
3
1. push
display
pop
4. exit
Enter your choice: 1
Enter the data
4
1.push
2. display
3. pop
4. exit
Enter your choice: 2
432
1. push
2. display
3. pop
4. exit
Enter your choice: 3
1.push
2. display
pop
4. exit
Enter your choice: 2
32
1.push
2. display
3. pop
4. exit
Enter your choice:
```

```
#include<stdio.h>
 #include<math.h>
 struct node
目{
     int data;
     struct node *next;
\ \text{head, *newnode, *temp, *head2;}
void createll1()
     int n;
     printf ("Enter the data\n");
     scanf ("%d", &n);
     newnode=(struct node*)malloc(sizeof(struct node));
     newnode->data=n;
     if (head==NULL)
         head=temp=newnode;
     else
         temp->next=newnode;
         temp=newnode;
         newnode->next=NULL;
void createll2()
      int n;
     printf ("Enter the data\n");
     scanf ("%d", &n);
     newnode=(struct node*)malloc(sizeof(struct node));
     newnode->data=n;
     if (head2==NULL)
```

```
30
           int n:
31
         printf("Enter the data\n");
32
          scanf ("%d", &n);
33
         newnode=(struct node*)malloc(sizeof(struct node));
34
         newnode->data=n;
35
         if (head2==NULL)
36
37
              head2=temp=newnode;
38
39
         else
40
              temp->next=newnode;
41
              temp=newnode;
42
              newnode->next=NULL;
43
44
45
     void display1()
46
47
    □{
         temp=head;
48
49
         while (temp!=NULL)
50
51
              printf("%d", temp->data);
52
              temp=temp->next;
53
54
55
56
57
     void display2()
58
    日{
59
         temp=head2;
         while (temp!=NULL)
60
61
              printf("%d", temp->data);
62
63
              temp=temp->next;
others
Code::Blocks × 🔍 Search results × 📝 Cccc × 💢 Build log × 🕈 Build messages × 📝 CppCheck/Vera++
```

28

29

□{

void createll2()

```
void display2()
8
9
        temp=head2;
0
        while (temp!=NULL)
            printf("%d", temp->data);
            temp=temp->next;
5
6
8
    void reverse()
9
0
        struct node*prevnode, *nextnode;
        temp=nextnode=head;
        prevnode=NULL;
        while (temp!=NULL)
            temp=temp->next;
6
            nextnode->next=prevnode;
            prevnode=nextnode;
8
            nextnode=temp;
9
0
        head=prevnode;
    void sorting()
5
        int c:
        struct node *nextnode;
        temp=nextnode=head;
        while (temp->next !=NULL)
            nextnode=temp->next;
```

```
void sorting()
□{
     int c;
     struct node *nextnode;
     temp=nextnode=head;
     while (temp->next !=NULL)
         nextnode=temp->next;
         while (nextnode!=NULL)
              if (temp->data>nextnode->data)
                  c=temp->data;
                  temp->data=nextnode->data;
                  nextnode->data=c;
              nextnode=nextnode->next;
          temp=temp->next;
 void concatenate()
日{
     temp=head;
     while (temp->next!=NULL)
          temp=temp->next;
     temp->next=head2;
 void main()
```

```
void concatenate()
  日{
       temp=head;
       while (temp->next!=NULL)
           temp=temp->next;
       temp->next=head2;
   void main()
        int choice;
        while (1)
            printf("\n1. create linked list1\n");
            printf("2. display1\n");
            printf("3. create a linkedlist2\n");
            printf("4. display2\n");
            printf("5. reverse\n");
6
            printf("6. sorting\n");
            printf("7. concatenation\n");
            printf("8. exit\n");
            printf("Enter your choice: ");
            scanf ("%d", &choice);
            switch (choice)
                case 1:
                   createll1();
                   break;
                case 2:
                    display1();
                    break;
```

```
switch (choice)
    case 1:
       createll1();
      break;
    case 2:
       display1();
       break;
    case 3:
        createll2();
       break;
    case 4:
       display2();
       break;
    case 5:
       reverse();
      break;
    case 6:
        sorting();
       break;
   case 7:
        concatenate();
       break;
    case 8:
       exit(0);
       break;
   default:
       printf("Invalid choice\n");
```

- create linked list1 2. display1 3. create a linkedlist2 4. display2 5. reverse 6. sorting 7. concatenation 8. exit Enter your choice: 1 Enter the data 2 create linked list1 2. display1 4. display2 reverse 6. sorting 7. concatenation
- 3. create a linkedlist2
- 8. exit
- Enter your choice: 1

Enter the data

3

- create linked list1
- 2. display1
- create a linkedlist2
- display2
- 5. reverse
- 6. sorting
- 7. concatenation
- 8. exit
- Enter your choice: 1

Enter the data

4

- 1. create linked list1
- display1
- create a linkedlist2
- 4. display2
- 5. reverse
- 6. sorting
- 7. concatenation
- 8. exit
- Enter your choice: 2
- 234
- create linked list1
- 2. display1
- create a linkedlist2
- 4. display2

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234								
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		ers	_					
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