

d61.c - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Start here x d51.c x d52.c x d53.c x d54.c x d61.c x

```
1
2 #include <stdio.h>
3
4 void main()
5
6 {
7
8     int arr[5];
9
10    int i,j;
11
12    printf("Enter the Array Elements:\n");
13
14    for (i=0;i<5;i++)
15    {
16
17        scanf("%d",&arr[i]);
18
19    }
20
21    for (j=0;j<5;j++)
22    {
23
24        printf("a[%d] is : : %d\n",j,arr[j]);
25
26    }
27
28    getch();
29
30 }
31
32
33
```

D:\c program\test\d61.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 2, Col 19, Pos 20 Insert Read/Write default 21:25 16-05-2024

d61.c - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Start here x d51.c x d52.c x d53.c x d54.c x d61.c x

```
1
2 #include <stdio.h>
3
4 void main()
5
6 {
7
8     int
9
10    int
11
12    prin
13
14    for
15
16    {
17
18
19
20
21
22
23
24
25
26
27
28
29
30    getc
31
32
33
```

"D:\c program\test\d61.exe"

Enter the Array Elements::

5

6

6

6

9

9

0

a[0] is : : 5

a[1] is : : 6

a[2] is : : 6

a[3] is : : 9

a[4] is : : 6

-

D:\c program\test\d61.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 2, Col 19, Pos 20 Insert Read/Write default 21:25 16-05-2024

d62.c - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Start here x d51.c x d52.c x d53.c x d54.c x d61.c x d62.c x

```
1
2 #include <stdio.h>
3
4 void main()
5
6 {
7
8     int arr[5];
9
10    int i,j,n,counter=0;
11
12    printf("Enter the Array Elements::\n");
13
14    for (i=0;i<5;i++)
15    {
16
17        scanf("%d",&arr[i]);
18
19    }
20
21    for (j=0;j<5;j++)
22    {
23
24        printf("a[%d] is : %d\n",j,arr[j]);
25
26    }
27
28    printf("Enter the Array Index you want to delete::\n");
29
30    scanf("%d",&n);
31
32    arr[n] = 0;
33
34    /*for (i=0;i<=n;i++)
```

D:\c program\test\d62.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 2, Col 19, Pos 20 Insert Read/Write default 21:38 16-05-2024

d62.c - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Start here x d51.c x d52.c x d53.c x d54.c x d61.c x d62.c x

```
1
2 #include <stdio.h>
3
4 void main()
5
6 {
7
8     Enter the Array Elements::
9
10    5
11    7
12    9
13    7
14    7
15
16    Enter the Array Index you want to delete::
17    4
18
19    Array Elements after Deletion::
20    a[0] is : 5
21    a[1] is : 7
22    a[2] is : 9
23    a[3] is : 7
24    a[4] is : 0
25
26    Total Empty spaces available :: 1
27
28 }
29
30
31
32
33
34 arr[n] = 0;
35
36 /*for (i=0;i<=n;i++)
```

D:\c program\test\d62.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 2, Col 19, Pos 20 Insert Read/Write default 21:38 16-05-2024

```
d62.c - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Start here x d51.c x d52.c x d53.c x d54.c x d61.c x d62.c x

1
2 //Array deletion
3 #include <stdio.h>
4
5 void main()
6 {
7     int arr[5];
8     int i, j, n, counter=0;
9     char choice;
10    printf("Enter the Array Elements:\n");
11    for(i=0; i<5; i++)
12    {
13        scanf("%d", &arr[i]);
14    }
15    printf("Original Array Elements:\n");
16    for(j=0; j<5; j++)
17    {
18        printf("a[%d] is : %d\n", j, arr[j]);
19    }
20    do
21    {
22        printf("Enter the Array Index you want to delete :: ");
23        scanf("%d", &n);
24        arr[n]=0;
25        if(n >= 0 && n<5)
26        {
27            /*for(i=0; i<=n; i++)
28            {
29                if (i==n)
30                {
31                    arr[i]=0;
32                }
33            }*/
34            printf("Array elements after deletion ::\n");
35            for(j=0; j<5; j++)
36            {
```

```
d62.c - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Start here x d51.c x d52.c x d53.c x d54.c x d61.c x d62.c x

26 {
27     /*for(i=0; i<=n; i++)
28     {
29         if (i==n)
30         {
31             arr[i]=0;
32         }
33     }*/
34     printf("Array elements after deletion ::\n");
35     for(j=0; j<5; j++)
36     {
37         printf("a[%d] is : %d\n", j, arr[j]);
38     }
39     counter = 0;
40     for(i=0; i<=5; i++)
41     {
42         if(arr[i]==0)
43         {
44             counter++;
45         }
46     }
47     printf("Total empty spaces available :: %d\n", counter);
48 }
49 else{
50     printf("Invalid index Please try again\n");
51 }
52 printf("Do you want to delete another element ? (y/n) ::\n ");
53 scanf(" %c", &choice);
54 }
55 while(choice == 'y' || choice == 'Y');
56
57
58
59
60 }
```

d62.c - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Start here x d51.c x d52.c x d53.c x d54.c x d61.c x d62.c x

```
26
27
28
29
30
31
32 Original Array Elements:
33 a[0] is : 6
34 a[1] is : 7
35 a[2] is : 8
36 a[3] is : 9
37 a[4] is : 5
38 Enter the Array Index you want to delete :: 3
39 Array elements after deletion ::
40 a[0] is : 6
41 a[1] is : 7
42 a[2] is : 8
43 a[3] is : 0
44 a[4] is : 5
45 Total empty spaces available :: 1
46 Do you want to delete another element ? (y/n)::
47 y
48 Enter the Array Index you want to delete :: 0
49 Array elements after deletion ::
50 a[0] is : 0
51 a[1] is : 7
52 a[2] is : 8
53 a[3] is : 0
54 a[4] is : 5
55 Total empty spaces available :: 2
56 Do you want to delete another element ? (y/n)::
57
58
59
60 }
```

D:\c program\test\d62.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 32, Col 10, Pos 591 Insert Read/Write default ENG 22:32 16-05-2024

d63binary.c - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Start here x d51.c x d52.c x d53.c x d54.c x d61.c x d62.c x d63binary.c x

```
1 #include <stdio.h>
2
3 // Function to perform binary search
4 int binarySearch(int arr[], int low, int high, int key) {
5     while (low <= high) {
6         int mid = low + (high - low) / 2;
7         if (arr[mid] == key)
8             return mid;
9         else if (arr[mid] < key)
10            low = mid + 1;
11        else
12            high = mid - 1;
13    }
14    return -1; // Key not found
15 }
16
17 int main() {
18     int arr[5];
19     int i, n, counter = 0;
20     char choice;
21
22     printf("Enter the Array Elements:\n");
23     for (i = 0; i < 5; i++) {
24         scanf("%d", &arr[i]);
25     }
26
27     printf("Original Array Elements:\n");
28     for (i = 0; i < 5; i++) {
29         printf("a[%d] is: %d\n", i, arr[i]);
30     }
31
32     do {
33         printf("Enter the Array Index you want to delete: ");
34         scanf("%d", &n);
35
36         if (n >= 0 && n < 5) {
```

D:\c program\test\d63binary.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 43, Col 1, Pos 1042 Insert Read/Write default ENG 23:22 16-05-2024

```
D65.C - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Start here x d51.c x d52.c x d53.c x d54.c x d61.c x d62.c x d63binary.c x D64.C x D65.C x

25 struct node *p = NULL;
26
27 printf("How many nodes do you want to create? ");
28 scanf("%d", &n);
29
30 for (i = 0; i < n; i++)
31 {
32     temp = (struct node *)malloc(sizeof(struct node));
33     if (temp == NULL)
34     {
35         printf("Memory allocation failed\n");
36         return 1;
37     }
38     printf("Enter value for node %d: ", i + 1);
39     scanf("%d", &value);
40
41     temp->value = value;
42     temp->next = NULL;
43
44     if (head == NULL)
45     {
46         head = temp;
47     } else {
48         p->next = temp;
49     }
50     p = temp;
51 }
52 printLinkedList(head);
53
54 temp = head;
55 while (temp != NULL)
56 {
57     p = temp->next;
58     free(temp);
59     temp = p;
60 }
```

D:\c program\test\D65.C C/C++ Windows (CR+LF) WINDOWS-1252 Line 47, Col 17, Pos 831 Insert Read/Write default ENG 02:46 17-05-2024

