

D:\C\01.07.2021\Display.c - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Display.c Summation.c Even_Odd.c Add.c Binary_Search.c Bubble_Sort.c

```
1 //Question 1.
2 #include<stdio.h>
3 int main()
4 {
5     int i,a[10];
6     printf("Enter the array elements : ");
7     for(i=0;i<10;i++)
8         scanf("%d",&a[i]);
9     printf("The array elements are : ");
10    for(i=0;i<10;i++)
11        printf("%d ",a[i]);
12    return 0;
13 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\01.07.2021\Even_Odd.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.25s

☐ Shorten compiler paths

Line: 13 Col: 3 Sel: 0 Lines: 13 Length: 253 Insert Done parsing in 0 seconds



Type here to search



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01-07-2021

D:\C\01.07.2021\Display.c - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

D:\C\01.07.2021\Display.exe

Enter the array elements : 1

2
3
4
5
6
7
8
9
10
11
12
13

The array elements are : 1 2 3 4 5 6 7 8 9 10

Process exited after 14.12 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\01.07.2021\Display.exe
- Output Size: 128.1015625 KiB
- Compilation Time: 0.27s

☐ Shorten compiler paths

Line: 13 Col: 3 Sel: 0 Lines: 13 Length: 253 Insert Done parsing in 0 seconds



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D:\C\01.07.2021\Summation.c - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Display.c Summation.c Even_Odd.c Add.c Binary_Search.c Bubble_Sort.c

```
1 //Question 2.
2 #include<stdio.h>
3 int main()
4 {
5     int arr[10], i, sum=0;
6     for(i=0; i<10; i++)
7     {
8         printf("Enter a value for element arr[%d]: ",i);
9         scanf("%d",&arr[i]);
10        sum+=arr[i];
11    }
12    printf("The summation of array elements is : %d",sum);
13    return 0;
14 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\01.07.2021\Summation.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.34s

☐ Shorten compiler paths

Line: 14 Col: 3 Sel: 0 Lines: 14 Length: 269 Insert Done parsing in 0.015 seconds



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01-07-2021


```
1 //Question 3.
2 #include <stdio.h>
3 int main()
4 {
5     int arr[100], i, num;
6     printf("Enter the size of an array : ");
7
8     scanf("%d", &num);
9     printf("Enter the elements of the array : ");
10
11     for (i = 0; i < num; i++)
12     {
13         scanf("%d", &arr[i]);
14     }
15
16     printf("Even numbers in the array are : ");
17     for (i = 0; i < num; i++)
18     {
19         if (arr[i] % 2 == 0)
20         {
21             printf("%d ", arr[i]);
22         }
23     }
24
25     printf("\nOdd numbers in the array are : ");
26     for (i = 0; i < num; i++)
27     {
28         if (arr[i] % 2 != 0)
29         {
30             printf("%d ", arr[i]);
31         }
32     }
33     return 0;
34 }
```

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\01.07.2021\Summation.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.27s

☐ Shorten compiler paths


```
1 //Question 4.
2 #include<stdio.h>
3 int main()
4 {
5     int size, i, a[20];
6     int Even_Sum = 0, Odd_Sum = 0;
7
8     printf("Enter the size of an array : ");
9     scanf("%d", &size);
10
11     printf("Enter the array elements : ");
12     for(i = 0; i < size; i++)
13     {
14         scanf("%d", &a[i]);
15     }
16
17     for(i = 0; i < size; i++)
18     {
19         if(a[i] % 2 == 0)
20         {
21             Even_Sum = Even_Sum + a[i];
22         }
23         else
24         {
25             Odd_Sum = Odd_Sum + a[i];
26         }
27     }
28
29     printf("The sum of even numbers in the array = %d ", Even_Sum);
30     printf("\nThe sum of odd numbers in the array = %d ", Odd_Sum);
31     return 0;
32 }
```

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\01.07.2021\Even_Odd.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.25s

☐ Shorten compiler paths

D:\C\01.07.2021\Add.c - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug Displ D:\C\01.07.2021\Add.exe

```
1
2 Enter the size of an array : 10
3 Enter the array elements : 1
4 2
5 3
6 4
7 5
8 6
9 7
10 8
11 9
12 10
13 The sum of even numbers in the array = 30
14 The sum of odd numbers in the array = 25
15 -----
16 Process exited after 13.79 seconds with return value 0
17 Press any key to continue . . .
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30
31
32
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\01.07.2021\Add.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.25s

☐ Shorten compiler paths

Line: 32 Col: 3 Sel: 0 Lines: 32 Length: 588 Insert Done parsing in 0.015 seconds



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```
1 //Question 5.
2 #include<stdio.h>
3 int main()
4 {
5     int arr[20],start,end, mid, n, i, item;
6     printf("Enter the number of elements : ");
7     scanf("%d",&n);
8     printf("Enter the array elements : ");
9     for(i=0;i<n;i++)
10         scanf("%d",&arr[i]);
11     printf("Enter the element to be searched : ");
12     scanf("%d", &item);
13     start = 0;
14     end = n-1;
15     mid = (start + end)/2;
16     while (item != arr[mid] && start <= end)
17     {
18         if(item > arr[mid])
19             start = mid + 1;
20         else
21             end = mid - 1;
22         mid = (start + end)/2;
23     }
24     if(item==arr[mid])
25         printf("%d found at position %d",item,mid+1);
26     if(start>end)
27         printf("%d not found in array",item);
28     return 0;
29 }
```

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\01.07.2021\Add.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.25s

☐ Shorten compiler paths

D:\C\01.07.2021\Binary_Search.c - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

```
Project Classes Debug Dis D:\C\01.07.2021\Binary_Search.exe
1 Enter the number of elements : 10
2 Enter the array elements : 1
3
4
5
6
7
8
9
10
11
12
13 Enter the element to be searched : 7
14 7 found at position 7
15 -----
16 Process exited after 19.17 seconds with return value 0
17 Press any key to continue . . .
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24
25
26
27
28
29
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

```
- Warnings: 0
- Output Filename: D:\C\01.07.2021\Binary_Search.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.27s
```

☐ Shorten compiler paths

Line: 29 Col: 3 Sel: 0 Lines: 29 Length: 684 Insert Done parsing in 0.015 seconds



Type here to search



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```
1 //Question 6.
2 #include<stdio.h>
3 int main()
4 {
5     int a[20],i,j,n,tmp;
6     printf("Enter the number of elements of the array : ");
7     scanf("%d",&n);
8     printf("Enter the elements of the array : ");
9     for(i=0;i<n;i++)
10         scanf("%d",&a[i]);
11     for(i=0;i<n;i++)
12     {
13         for(j=0;j<n-i-1;j++)
14         {
15             if(a[j]>a[j+1])
16             {
17                 tmp = a[j];
18                 a[j] = a[j+1];
19                 a[j+1]=tmp;
20             }
21         }
22     }
23     printf("The sorted array is : ");
24     for(i=0;i<n;i++)
25         printf("%d\\n", a[i]);
26     return 0;
27 }
```

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\01.07.2021\Binary_Search.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.27s

☐ Shorten compiler paths

D:\C\01.07.2021\Bubble_Sort.c - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

Display

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D:\C\01.07.2021\Bubble_Sort.exe

```
Enter the number of elements of the array : 10
Enter the elements of the array : 1
4
7
9
3
8
6
2
10
5
The sorted array is : 1
2
3
4
5
6
7
8
9
10

-----
Process exited after 47.12 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

```
- Warnings: 0
- Output Filename: D:\C\01.07.2021\Bubble_Sort.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.23s
```

☐ Shorten compiler paths

Line: 27 Col: 3 Sel: 0 Lines: 27 Length: 477 Insert Done parsing in 0.015 seconds



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