

```
1 //Question 1.
2 #include<stdio.h>
3 int main()
4 {
5     int i,item,arr[20],n,f=0;
6     printf("Enter number of values : ");
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 item to be searched : ");
12     scanf("%d",&item);
13     for(i=0;i<n;i++)
14     {
15         if(item==arr[i])
16         {
17             f=1;
18             printf("\nItem is present in the location %d",item,i+1);
19             break;
20         }
21     }
22     if(f==0)
23         printf("\nItem %d is not present in the array",item);
24     return 0;
25 }
```

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\17.06.2021\Function (Sum).exe
- Output Size: 128.44921875 KiB
- Compilation Time: 0.48s

☐ Shorten compiler paths

D:\C\17.06.2021\Array.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 Linear Search.c Array.c Function(Sum).c

```
1 //Question 2.
2 #include<stdio.h>
3 int main()
4 {
5     int arr[20],i,n,sum=0;
6     printf("Enter the number of values to add : ");
7     scanf("%d",&n);
8     for(i=1; i<=n; i++)
9     {
10         printf("Enter a value for array[%d] : ",i);
11         scanf("%d",&arr[i]);
12     }
13     for(i=1; i<=n; i++)
14     {
15         if(i%3==0)
16             sum+=arr[i];
17     }
18     printf("The required sum is : %d\n",sum);
19     return 0;
20 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

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

☐ Shorten compiler paths

Line: 19 Col: 15 Sel: 0 Lines: 20 Length: 371 Insert Done parsing in 0.016 seconds



Type here to search



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16:20
17-06-2021

```
D:\C\17.06.2021\Array.exe
Enter the number of values to add : 10
Enter a value for array[1] : 10
Enter a value for array[2] : 20
Enter a value for array[3] : 30
Enter a value for array[4] : 40
Enter a value for array[5] : 50
Enter a value for array[6] : 60
Enter a value for array[7] : 70
Enter a value for array[8] : 80
Enter a value for array[9] : 90
Enter a value for array[10] : 100
The required sum is : 180
-----
Process exited after 24.85 seconds with return value 0
Press any key to continue . . .
```

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\17.06.2021\Array.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.25s

☐ Shorten compiler paths

D:\C\17.06.2021\Function(Sum).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 Linear Search.c Array.c Function(Sum).c

```
1 //Question 3.
2 #include<stdio.h>
3 #include<math.h>
4 int prime(int num1,int num2)
5 {
6     int i,j,sum=0;
7     for(i=num1; i<=num2; i++)
8     {
9         for(j=num1; j<num2; j++)
10        {
11            if(i%j==0)
12                break;
13        }
14        if(i==1 || i==j)
15        {
16            sum=sum+i;
17        }
18    }
19    return sum;
20 }
21 int main()
22 {
23     int num1=2,num2=50;
24     int num3 = prime(num1,num2);
25     printf("The sum of prime numbers between 2 to 50 is : %d",num3);
26     return 0;
27 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Warnings: 0
- Output Filename: D:\C\17.06.2021\Function (Sum).exe
- Output Size: 128.44921875 KiB
- Compilation Time: 0.25s

☐ Shorten compiler paths

Line: 26 Col: 15 Sel: 0 Lines: 27 Length: 417 Insert Done parsing in 0.015 seconds



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D:\C\17.06.2021\Function(Sum).c - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

D:\C\17.06.2021\Function(Sum).exe

```
The sum of prime numbers between 2 to 50 is : 328
-----
Process exited after 0.03509 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\17.06.2021\Function(Sum).exe
- Output Size: 128.44921875 KiB
- Compilation Time: 0.25s
```

☐ Shorten compiler paths

Line: 26 Col: 15 Sel: 0 Lines: 27 Length: 417 Insert Done parsing in 0.015 seconds



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