File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project   Classes   Debug   bhargav sudheer.cpp

```c
1    #include <stdio.h>
2    #include <string.h>
3
4    void reverseString(char* str) {
5        int length = strlen(str);
6        char temp;
7
8        for (int i = 0; i < length / 2; i++) {
9            temp = str[i];
10           str[i] = str[length - i - 1];
11           str[length - i - 1] = temp;
12       }
13   }
14
15   int main() {
16       char str[100];
17
18       printf("Enter a string: ");
19       printf("192224166 sainadh");
20       scanf("%s", str);
21
22       reverseString(str);
23
```

C:\Users\user\Desktop\bhargav sudheer.exe

```
Enter a string: 192224166 sainadh aeeeba
Reversed string: abeeea

--------------------------------
Process exited after 22.56 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation
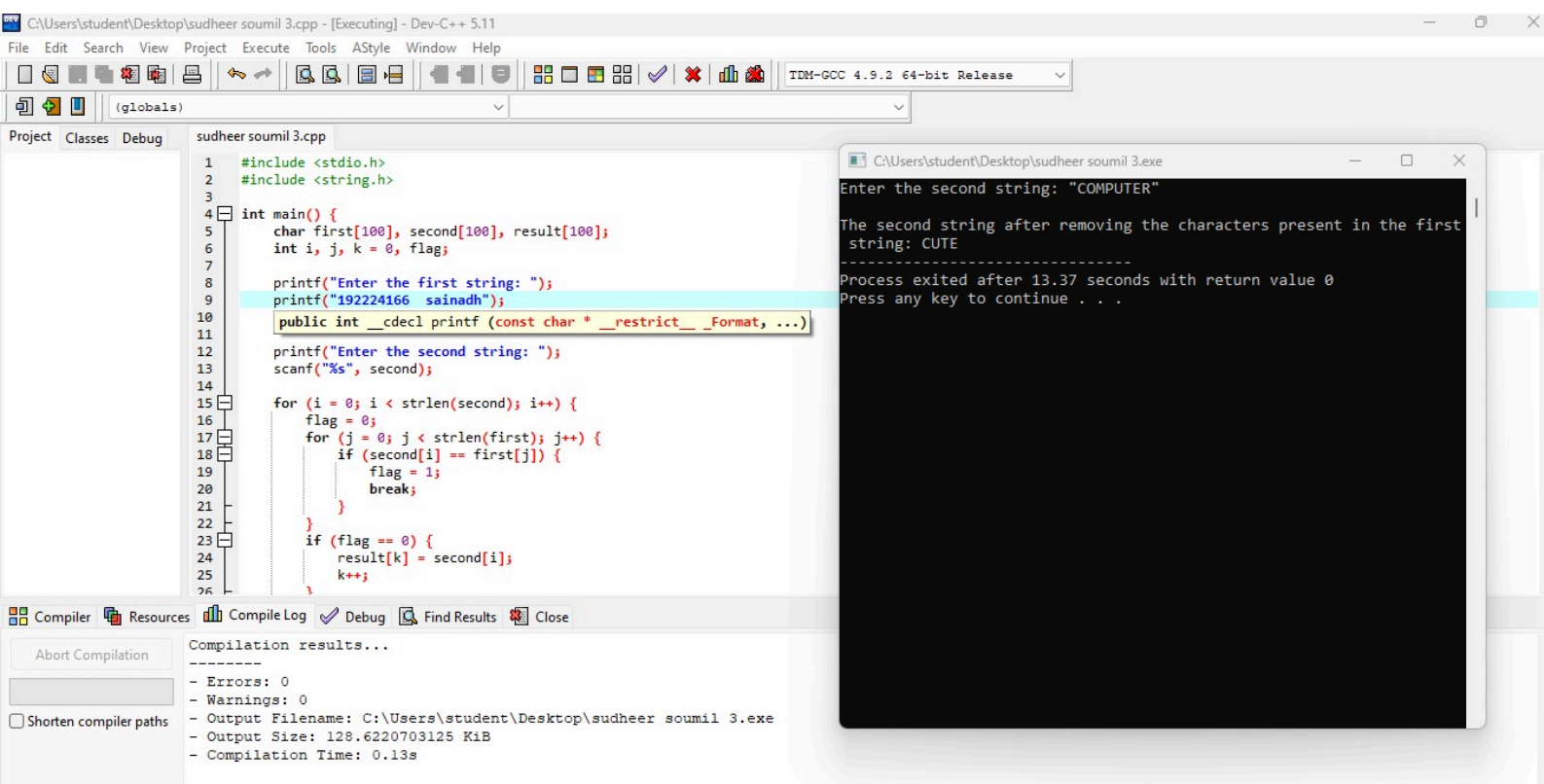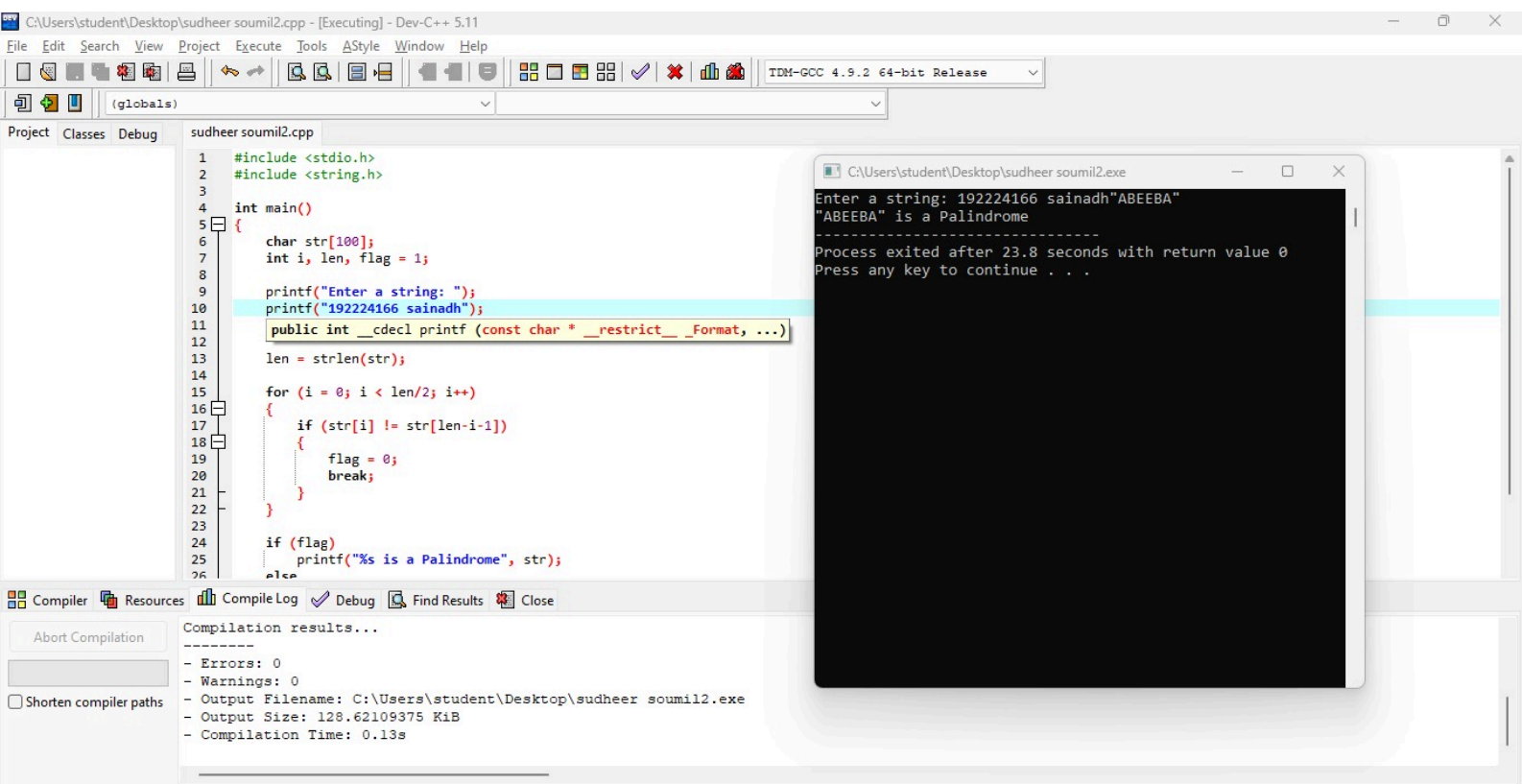
Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\bhargav sudheer.ex
- Output Size: 128.658203125 KiB
- Compilation Time: 0.47s
```
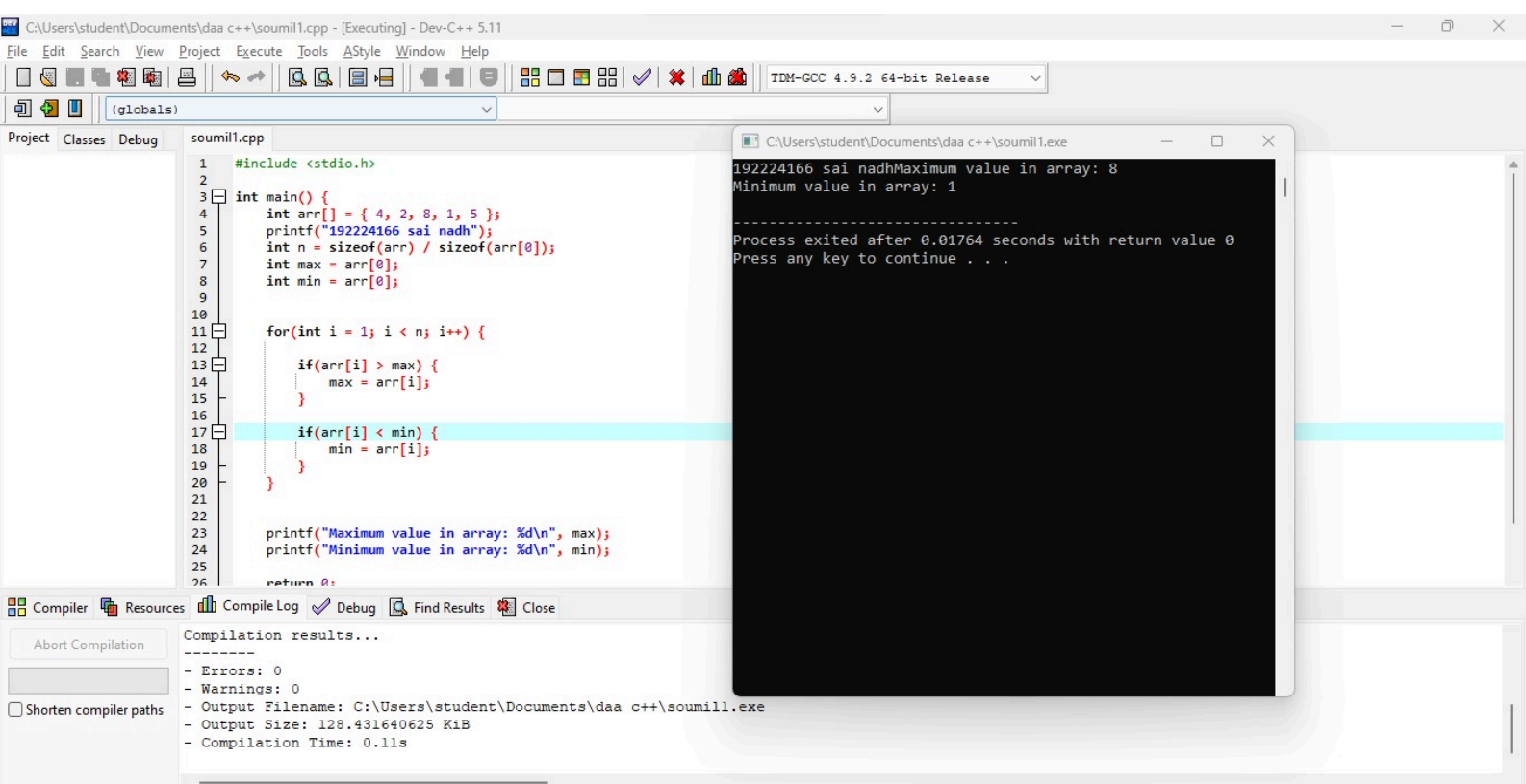
File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project   Classes   Debug

sudheer soumil 3.cpp

```c
1   #include <stdio.h>
2   #include <string.h>
3
4   int main() {
5       char first[100], second[100], result[100];
6       int i, j, k = 0, flag;
7
8       printf("Enter the first string: ");
9       printf("192224166  sainadh");
10          public int __cdecl printf (const char * __restrict__ _Format, ...)
11
12      printf("Enter the second string: ");
13      scanf("%s", second);
14
15      for (i = 0; i < strlen(second); i++) {
16          flag = 0;
17          for (j = 0; j < strlen(first); j++) {
18              if (second[i] == first[j]) {
19                  flag = 1;
20                  break;
21              }
22          }
23          if (flag == 0) {
24              result[k] = second[i];
25              k++;
26          }
```

C:\Users\student\Desktop\sudheer soumil 3.exe

```
Enter the second string: "COMPUTER"

The second string after removing the characters present in the first
 string: CUTE
--------------------------------
Process exited after 13.37 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student\Desktop\sudheer soumil 3.exe
- Output Size: 128.6220703125 KiB
- Compilation Time: 0.13s
```

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

TDM-GCC 4.9.2 64-bit Release

Project   Classes   Debug | sudheer soumil2.cpp

```c
1    #include <stdio.h>
2    #include <string.h>
3
4    int main()
5    {
6        char str[100];
7        int i, len, flag = 1;
8
9        printf("Enter a string: ");
10       printf("192224166 sainadh");
11       public int __cdecl printf (const char * __restrict__ _Format, ...)
12
13       len = strlen(str);
14
15       for (i = 0; i < len/2; i++)
16       {
17           if (str[i] != str[len-i-1])
18           {
19               flag = 0;
20               break;
21           }
22       }
23
24       if (flag)
25           printf("%s is a Palindrome", str);
26       else
```

Program output window:

C:\Users\student\Desktop\sudheer soumil2.exe

```
Enter a string: 192224166 sainadh"ABEEBA"
"ABEEBA" is a Palindrome
-------------------------------
Process exited after 23.8 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

☐ Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student\Desktop\sudheer soumil2.exe
- Output Size: 128.62109375 KiB
- Compilation Time: 0.13s
```

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project   Classes   Debug

soumil1.cpp

```c
#include <stdio.h>

int main() {
    int arr[] = { 4, 2, 8, 1, 5 };
    printf("192224166 sai nadh");
    int n = sizeof(arr) / sizeof(arr[0]);
    int max = arr[0];
    int min = arr[0];


    for(int i = 1; i < n; i++) {

        if(arr[i] > max) {
            max = arr[i];
        }

        if(arr[i] < min) {
            min = arr[i];
        }
    }


    printf("Maximum value in array: %d\n", max);
    printf("Minimum value in array: %d\n", min);

    return 0;
```

C:\Users\student\Documents\daa c++\soumil1.exe

```
192224166 sai nadhMaximum value in array: 8
Minimum value in array: 1

--------------------------------
Process exited after 0.01764 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student\Documents\daa c++\soumil1.exe
- Output Size: 128.431640625 KiB
- Compilation Time: 0.11s
```

Project   Classes   Debug   [*] 1+2-3+4-5.cpp   6th question.cpp   7th question.cpp

```c
1    #include <stdio.h>
2
3    int main()
4    {
5        int arr1[50], arr2[50], mergedArr[100];
6        int i, j, k, n1, n2;
7        printf("192224166-sainadh");
8        printf("Enter size of first array: ");
9        scanf("%d", &n1);
10       printf("Enter elements of first array in sorted order:\n");
11       for(i=0; i<n1; i++)
12           scanf("%d", &arr1[i]);
13
14       printf("Enter size of second array: ");
15       scanf("%d", &n2);
16       printf("Enter elements of second array in sorted order:\n");
17       for(i=0; i<n2; i++)
18           scanf("%d", &arr2[i]);
19
20       i=0, j=0, k=0;
21       while(i<n1 && j<n2)
22       {
23           if(arr1[i] < arr2[j])
24               mergedArr[k++] = arr1[i++];
25           else
26               mergedArr[k++] = arr2[j++];
```

Select C:\Users\Student\Documents\7th question.exe

```
192224166-sainadhEnter size of first array: 4
Enter elements of first array in sorted order:
3
4
5
6
Enter size of second array: 5
Enter elements of second array in sorted order:
2
4
5
6
7

Merged array in sorted order:
2 3 4 4 5 5 6 6 7
--------------------------------
Process exited after 11.9 seconds with return
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

☐ Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Student\Documents\7th question.exe
- Output Size: 151.0068359375 KiB
- Compilation Time: 0.13s
```

Line: 7   Col: 30   Sel: 0   Lines: 41   Length: 964   Insert   Done parsing in 0 seconds

```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int arr[10], i;
    printf("192224166-sainadh");
    public int __cdecl printf (const char * __restrict__  _Form
    for(i=0; i<10; i++)
        scanf("%d", &arr[i]);
    printf("\nOdd Array elements are:\n");
    for(i=0; i<10; i++)
    {
        if(arr[i]%2!=0)
        {
            printf("%d ", arr[i]);
        }
    }
    getch();
    return 0;
}
```

```
192224166-sainadhEnter any 10 array elements: 2
45
52
20
48
26
95
75
41
24

Odd Array elements are:
45 95 75 41
```

TDM-GCC 4.9.2 64-bit Debug

(globals)

Project   Classes   Debug   [*] 1+2-3+4-5.cpp   6th question.cpp   7th question.cpp   8 question.cpp

```c
#include<stdio.h>
int main (){
    int i,n,a[100],count=0;
    printf("192224166-sainadh");
    printf("enter size:");
    scanf("%d",&n);
    printf("enter elements\n");
    for(i=0;i<n;i++){
        scanf("%d",&a[i]);
    }
    for(i=0;i<n;i++){
      if(a[i]==2){
          continue;
      }
        else if(a[i]%2==0){
          count++;
        }
    }
        if(count>2){
        }
        printf("total composite number are: %d",count);
}
```

C:\Users\Student\Documents\8 question.exe

```
192224166-sainadhenter size:4
enter elements
1
2
3
4
total composite number are: 1
----------------------------------
Process exited after 9.575 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

☐ Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Student\Documents\8 question.exe
- Output Size: 150.0068359375 KiB
- Compilation Time: 0.11s
```

Line: 2   Col: 4   Sel: 0   Lines: 22   Length: 481   Insert   Done parsing in 0.016 seconds

```c
#include <stdio.h>
#define MAX_SIZE 100

int main()
{
    int arr[MAX_SIZE];
    printf("192224166-sainadh");
    int i, size, pos;


    printf("Enter size of the array : ");
    scanf("%d", &size);
    printf("Enter elements in array : ");
    for(i=0; i<size; i++)
    {
        scanf("%d", &arr[i]);
    }


    printf("Enter the element position to delete : ");
    scanf("%d", &pos);



    if(pos < 0 || pos > size)
    {
        printf("Invalid position! Please enter position between 1 to %d", size);
    }
    else
    {
        for(i=pos-1; i<size-1; i++)
        {
            arr[i] = arr[i + 1];
        }
    size--;
printf("\nElements of array after delete are : ");
```

```
192224166-sainadhEnter size of the array : 4
Enter elements in array : 20
40
60
80
Enter the element position to delete : 2

Elements of array after delete are : 20 60      80
--------------------------------
Process exited after 10.2 seconds with return value 0
Press any key to continue . . .
```

TDM-GCC 4.9.2 64-bit Debug

(globals)

Project   Classes   Debug   [*] 1+2-3+4-5.cpp   6th question.cpp

```c
 4     int arr[100], reversedArr[100];
 5     int n, i, j;
 6     printf("19222166-sainadh");
 7     printf("Enter the number of elements in the array: ");
 8     scanf("%d", &n);
 9
10     printf("Enter the elements of the array:\n");
11     for (i = 0; i < n; i++) {
12         scanf("%d", &arr[i]);
13     }
14
15     // reverse the array
16     for (i = n - 1, j = 0; i >= 0; i--, j++) {
17         reversedArr[j] = arr[i];
18     }
19
20     printf("Reversed array:\n");
21     for (i = 0; i < n; i++) {
22         printf("%d ", reversedArr[i]);
23     }
24
25     // check if the original and reversed arrays
26     int palindrome = 1;
27     for (i = 0; i < n; i++) {
28         if (arr[i] != reversedArr[i]) {
29             palindrome = 0;
```

C:\Users\Student\Documents\6th question.exe

```
19222166-sainadhEnter the number of elements in the array:
Enter the elements of the array:
3
2
0
8
Reversed array:
8 0 2 3
Not a palindrome array

--------------------------------
Process exited after 8.372 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

☐ Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Student\Documents\6th question.exe
- Output Size: 150.5068359375 KiB
- Compilation Time: 0.13s
```

Line: 6   Col: 32   Sel: 0   Lines: 42   Length: 965   Insert   Done parsing in 0 seconds

Type here to search

```c
#include <stdio.h>

int main() {
    int n, i, arr[100];

    int largest, second_largest, smallest, second_smallest;
    printf("192224166-sainadh");
    pr public int __cdecl printf (const char * __restrict__ _Format, ...
    scanf("%d", &n);

    printf("Enter the elements of the array:\n");
    for(i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }

    largest = second_largest = arr[0];
    smallest = second_smallest = arr[0];

    for(i = 1; i < n; i++) {
        if(arr[i] > largest) {
            second_largest = largest;
            largest = arr[i];
        } else if(arr[i] > second_largest && arr[i] != largest) {
            second_largest = arr[i];
        }
```

Tabs: [*] day2.11.c 2.cpp day2.2.cpp

Console output (C:\Users\student\Documents\day2.2.exe):

```
192224166-sainadhEnter the number of elements in the array: 2
Enter the elements of the array:
48
58
The largest element is: 58
The second largest element is: 48
The smallest element is: 48
The second smallest element is: 48

-------------------------------
Process exited after 5.095 seconds with return value 0
Press any key to continue . . .
```

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

TDM-GCC 4.9.2 64-bit Debug

Project   Classes   Debug

[*] 1+2-3+4-5.cpp   [*] 6th question.cpp   7th question.cpp   8 question.cpp   9 question.cpp

```c
 2      #include <conio.h>
 3
 4
 5      int main()
 6      {
 7          int a[1000],i,n,c=0;
 8          printf("192224166-sainadh");
 9          printf("Enter size of the array : ");
10          scanf("%d", &n);
11
12          printf("Enter elements in array : ");
13          for(i=0; i<n; i++)
14          {
15              scanf("%d", &a[i]);
16          }
17
18          for(i=0; i<n; i++)
19          {
20
21              if(a[i] < 0)
22              c++;
23          }
24              printf("  count  of negative numbers  in array: %d",c);
25
26
27          return 0;
```

C:\Users\Student\Documents\9 question.exe

```
192224166-sainadhEnter size of the array : 5
Enter elements in array : 1
2
3
-6
5
  count  of negative numbers  in array: 1
-------------------------------
Process exited after 10.82 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Student\Documents\9 question.exe
- Output Size: 149.837890625 KiB
- Compilation Time: 0.13s
```

Line: 8   Col: 30   Sel: 0   Lines: 28   Length: 478   Insert   Done parsing in 0 seconds

Type here to search

13:05
29-03-2023

```c
1    #include <stdio.h>
2
3    int main() {
4        int arr[100], n, i, j, k;
5        printf("192224166-sainadh");
6
7        printf("Enter the size of the array: ");
8        scanf("%d", &n);
9
10       printf("Enter the elements of the array: ");
11       for (i = 0; i < n; i++) {
12           scanf("%d", &arr[i]);
13       }
14
15       for (i = 0; i < n; i++) {
16           for (j = i+1; j < n;) {
17               if (arr[j] == arr[i]) {
18                   for (k = j; k < n; k++) {
19                       arr[k] = arr[k+1];
20                   }
21                   n--;
22               }
23               else {
24                   j++;
25               }
26           }
27       }
28
29       printf("Array after removing duplicates: ");
30       for (i = 0; i < n; i++) {
```

C:\Users\student\Documents\day2.55.exe

```
192224166-sainadhEnter the size of the array: 4
Enter the elements of the array: 10
20
30
40
Array after removing duplicates: 10 20 30 40
--------------------------------
Process exited after 19.82 seconds with return value 0
Press any key to continue . . .
```

```c
#include <stdio.h>
int main() {
    int n;
    double arr[100];
    printf("192224166-sainadh ");
    printf("Enter the number of elements (1 to 100): ");
    scanf("%d", &n);

    for (int i = 0; i < n; ++i) {
        printf("Enter number%d: ", i + 1);
        scanf("%lf", &arr[i]);
    }

    for (int i = 1; i < n; ++i) {
        if (arr[0] < arr[i]) {
            arr[0] = arr[i];
        }
    }

    printf("Largest element = %.2lf", arr[0]);

    return 0;
}
```
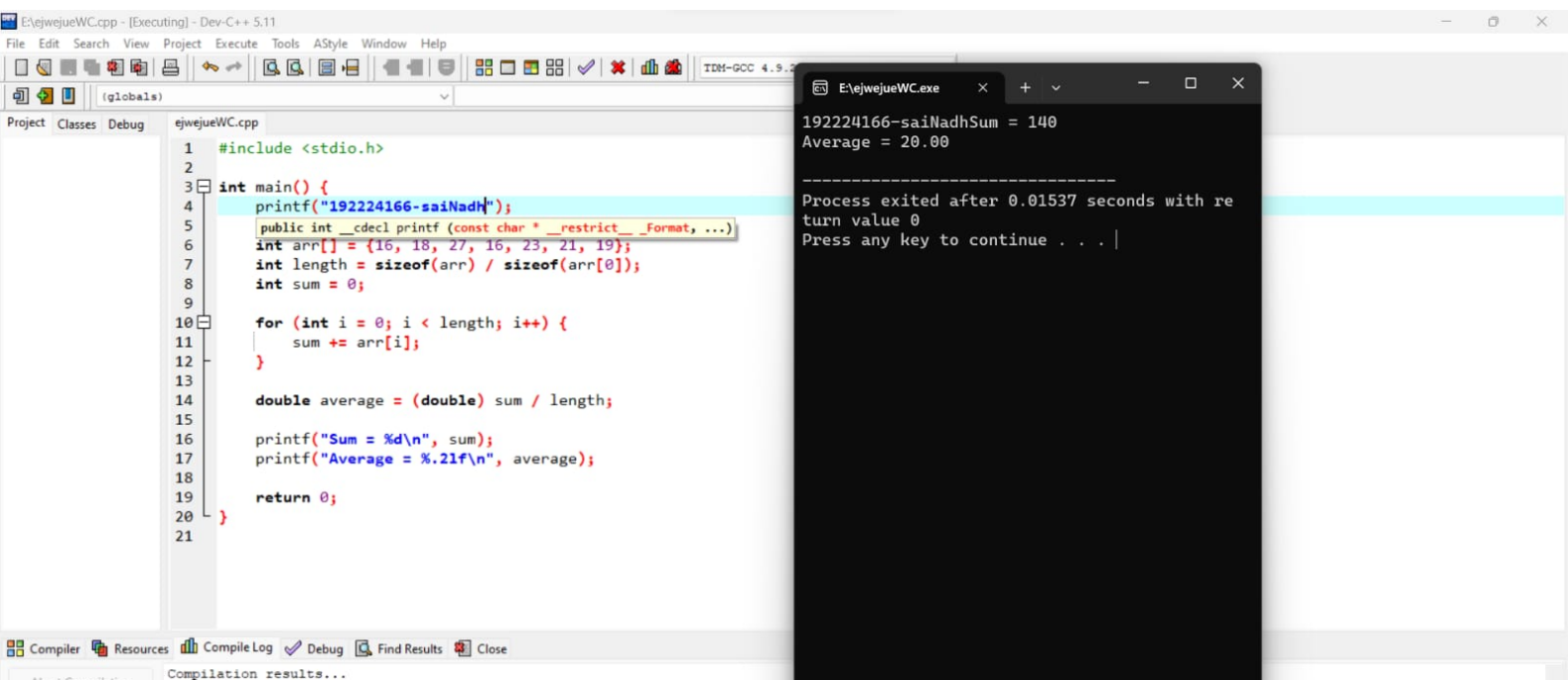
```
192224166-sainadh Enter the number of elements (1 to 100): 4
Enter number1: 10
Enter number2: 25
Enter number3: 69
Enter number4: 78
Largest element = 78.00
------------------------------
Process exited after 8.57 seconds with return value 0
Press any key to continue . . .
```

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

Project   Classes   Debug   ejwejueWC.cpp

```
1        #include <stdio.h>
2
3  □  int main() {
4            printf("192224166-saiNadh");
5            public int __cdecl printf (const char * __restrict__ _Format, ...)
6            int arr[] = {16, 18, 27, 16, 23, 21, 19};
7            int length = sizeof(arr) / sizeof(arr[0]);
8            int sum = 0;
9
10 □        for (int i = 0; i < length; i++) {
11               sum += arr[i];
12           }
13
14           double average = (double) sum / length;
15
16           printf("Sum = %d\n", sum);
17           printf("Average = %.21f\n", average);
18
19           return 0;
20       }
21
```

E:\ejwejueWC.exe

```
192224166-saiNadhSum = 140
Average = 20.00

-----------------------------------
Process exited after 0.01537 seconds with re
turn value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Compilation results...

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

TDM-GCC 4.9.2 64-bit Release

Project   Classes   Debug   [*] 15 question.cpp
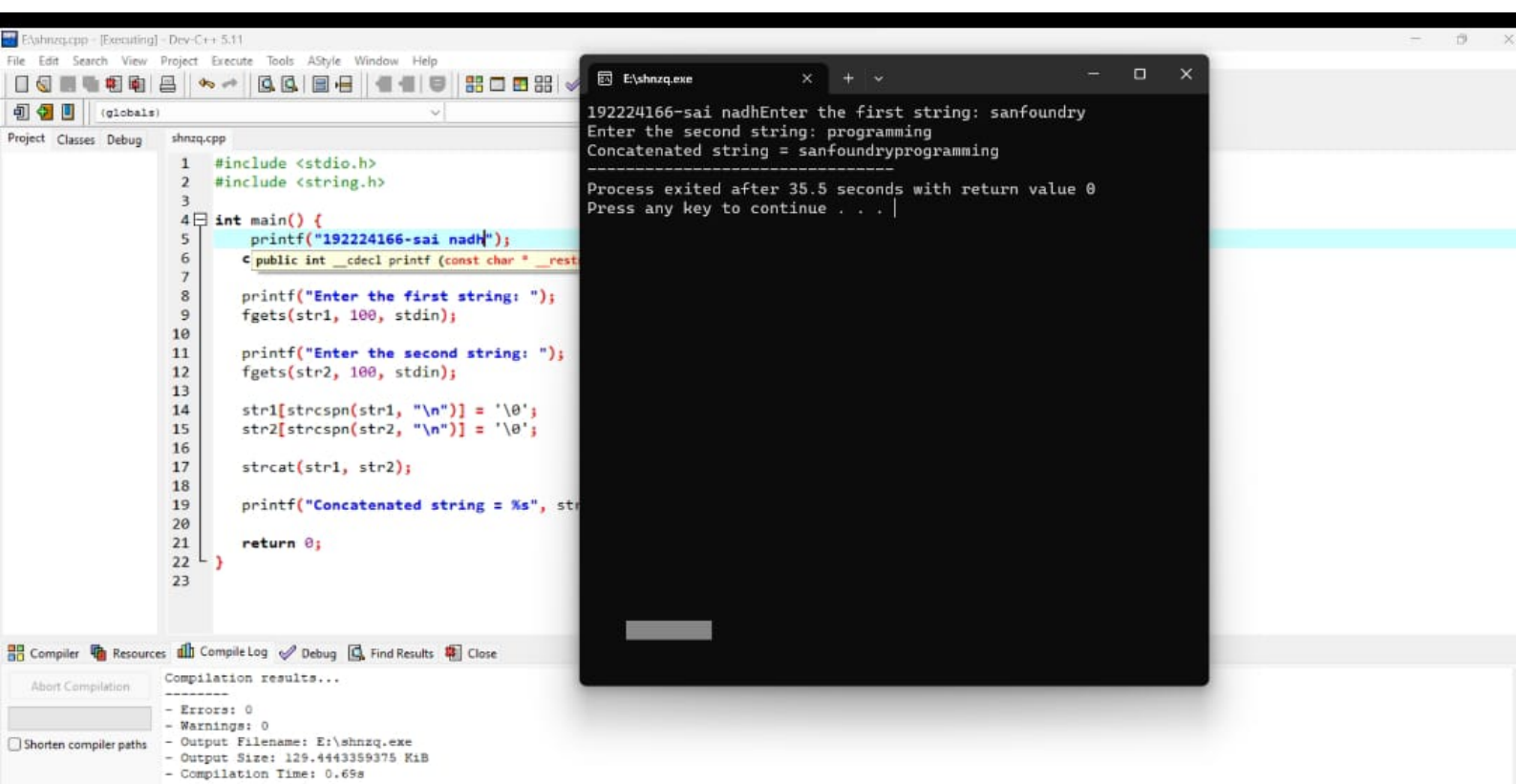
```
 1      #include <stdio.h>
 2      #include <string.h>
 3
 4      int main() {
 5          print("192224166-sainadh")
 6
 7          char statement[100];
 8          int count = 0, i;
 9          printf("Enter a statement: ");
10          gets(statement);
11          for(i=0; statement[i]!='\0'; i++) {
12              if(statement[i]=='a' || statement[i]=='e' || statement[i]=='i' || statement[i]=='o' || statement[i]=='u' || statement[i]=='A' || statement[i]==
13                  count++;
14              }
15          }
16          printf("Number of vowels = %d", count);
17          return 0;
18      }
19
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Compilation results...

C:\Users\user\Desktop\15 question.exe

```
Enter a statement: saveetha school of engineering
Number of vowels = 12
--------------------------------
Process exited after 20.02 seconds with return value 0
Press any key to continue . . .
```

(globals)

Project Classes Debug   shnzq.cpp

```c
1    #include <stdio.h>
2    #include <string.h>
3
4    int main() {
5        printf("192224166-sai nadh");
6        C public int __cdecl printf (const char * __rest
7
8        printf("Enter the first string: ");
9        fgets(str1, 100, stdin);
10
11       printf("Enter the second string: ");
12       fgets(str2, 100, stdin);
13
14       str1[strcspn(str1, "\n")] = '\0';
15       str2[strcspn(str2, "\n")] = '\0';
16
17       strcat(str1, str2);
18
19       printf("Concatenated string = %s", str
20
21       return 0;
22    }
23
```

E:\shnzq.exe

```
192224166-sai nadhEnter the first string: sanfoundry
Enter the second string: programming
Concatenated string = sanfoundryprogramming
-----------------------------------
Process exited after 35.5 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: E:\shnzq.exe
- Output Size: 129.4443359375 KiB
- Compilation Time: 0.69s
```

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

TDM-GCC 4.9.2 64-bit Release

Project   Classes   Debug   [*] 15 question.cpp   [*] 13 question.cpp

```c
1    #include <stdio.h>
2
3    int main() {
4        printf("192224166-sai nadh")
5        public int __cdecl printf (const char * __restrict__ _Format, ...)
6        printf( Enter the order of matrix: );
7        scanf("%d", &n);
8        printf("Enter the matrix elements:\n");
9        for(i=0; i<n; i++) {
10           for(j=0; j<n; j++) {
11               scanf("%d", &matrix[i][j]);
12           }
13       }
14       printf("The diagonal elements are: ");
15       for(i=0; i<n; i++) {
16           printf("%d ", matrix[i][i]);
17           sum += matrix[i][i];
18       }
19       printf("\nSum of diagonal elements = %d", sum);
20       return 0;
21   }
```

C:\Users\user\Desktop\13 question.exe

```
Enter the order of matrix: 2
Enter the matrix elements:
1
2
3
4
The diagonal elements are: 1 4
Sum of diagonal elements = 5
--------------------------------
Process exited after 12.71 seconds with return value 0
Press any key to continue . . .
```
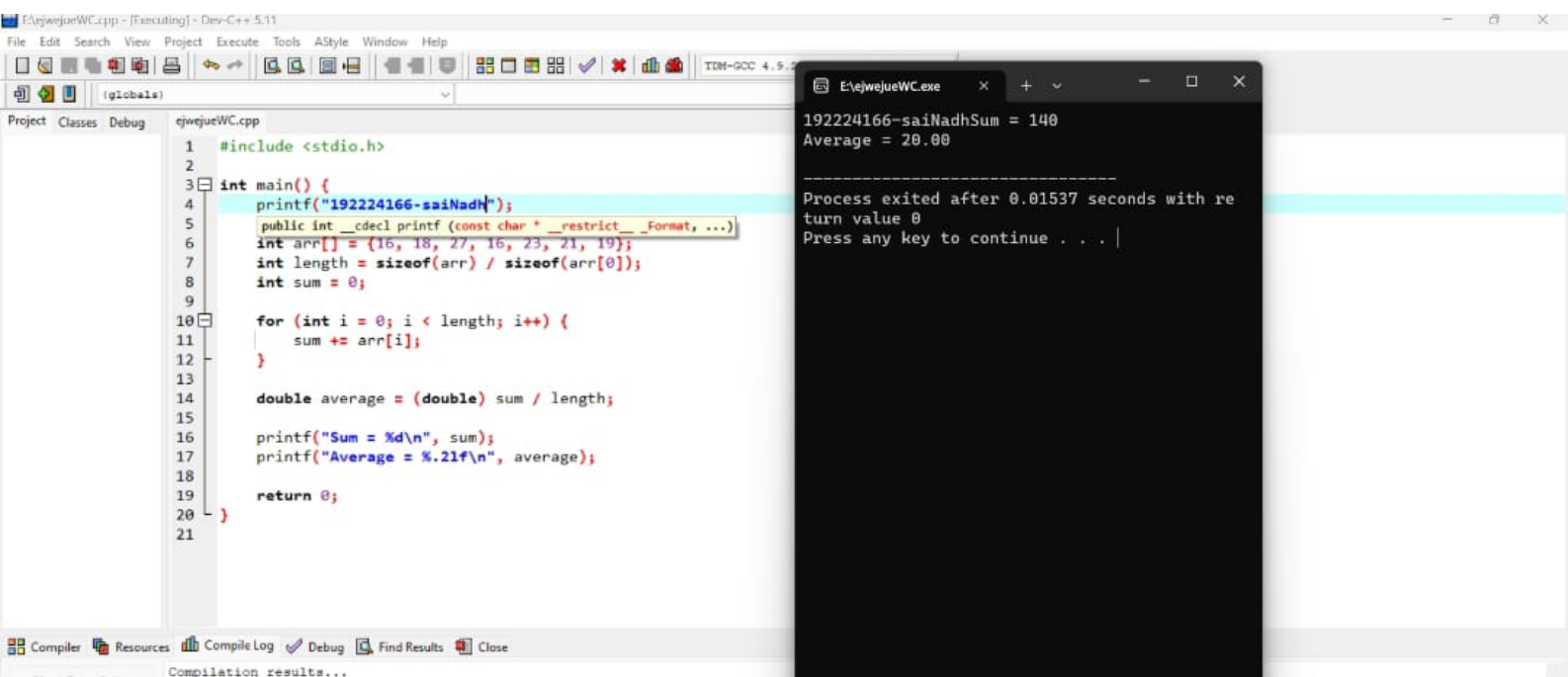
Project Classes Debug   [*] 15 question.cpp   [*] 13 question.cpp

```c
1    #include <stdio.h>
2
3    int main() {
4        printf("192224166-sai nadh")
5        public int __cdecl printf (const char * __restrict__ _Format, ...)
6        printf("Enter the order of matrix: ");
7        scanf("%d", &n);
8        printf("Enter the matrix elements:\n");
9        for(i=0; i<n; i++) {
10            for(j=0; j<n; j++) {
11                scanf("%d", &matrix[i][j]);
12            }
13        }
14        printf("The diagonal elements are: ");
15        for(i=0; i<n; i++) {
16            printf("%d ", matrix[i][i]);
17            sum += matrix[i][i];
18        }
19        printf("\nSum of diagonal elements = %d", sum);
20        return 0;
```

C:\Users\user\Desktop\13 question.exe

```
Enter the order of matrix: 2
Enter the matrix elements:
1
2
3
4
The diagonal elements are: 1 4
Sum of diagonal elements = 5
--------------------------------
Process exited after 12.71 seconds with return value 0
Press any key to continue . . .
```

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2

(globals)

Project Classes Debug   ejwejueWC.cpp

```c
1    #include <stdio.h>
2
3    int main() {
4        printf("192224166-saiNadh");
5        public int __cdecl printf (const char * __restrict__ _Format, ...)
6        int arr[] = {16, 18, 27, 16, 23, 21, 19};
7        int length = sizeof(arr) / sizeof(arr[0]);
8        int sum = 0;
9
10       for (int i = 0; i < length; i++) {
11           sum += arr[i];
12       }
13
14       double average = (double) sum / length;
15
16       printf("Sum = %d\n", sum);
17       printf("Average = %.21f\n", average);
18
19       return 0;
20   }
21
```

E:\ejwejueWC.exe

```
192224166-saiNadhSum = 140
Average = 20.00

--------------------------------
Process exited after 0.01537 seconds with re
turn value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Compilation results...

TDM-GCC 4.9.2 64-bit Release

(globals)

ject   Classes   Debug   [*] assignment 2.cpp

```c
1
2     #include <stdio.h>
3
4  ┌ int main() {
5         printf("192224166-sainadh");
6         int arr[] = {16, 18, 27, 16, 23, 21, 19};
7         int n = sizeof(arr) / sizeof(arr[0]);
8         int search_element = 23;
9         int i;
10
11 ┌     for (i = 0; i < n; i++) {
12 ┌         if (arr[i] == search_element) {
13                 printf("Given element %d is found at %d th position\n", search_element, i+1);
14                 break;
15             }
16         }
17
18 ┌     if (i == n) {
19             printf("Given element %d is not found in the array\n", search_element);
20         }
21
22         return 0;
23  └ }
```

C:\Users\user\Desktop\assignment 2.exe

Given element 23 is found at 5 th position

Process exited after 0.03431 seconds with return value 0
Press any key to continue . . .

Compiler   🔲 Resources   📊 Compile Log   ✅ Debug   🔍 Find Results   ❌ Close

Abort Compilation

Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\assignment 2.exe
- Output Size: 128.431640625 KiB
- Compilation Time: 1.31s
```