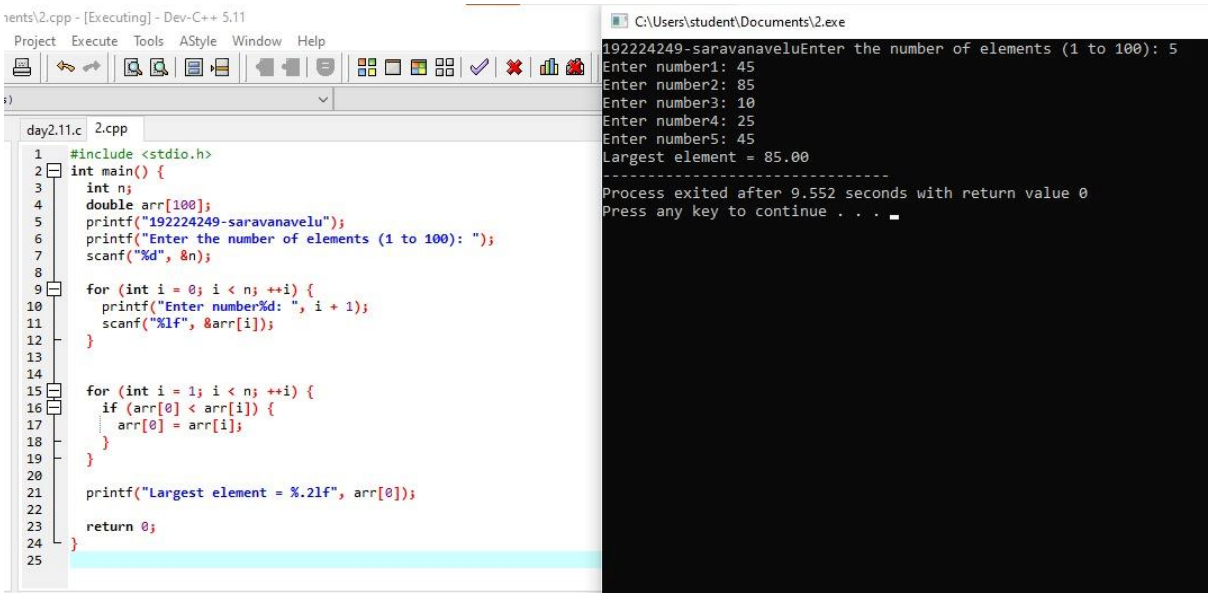
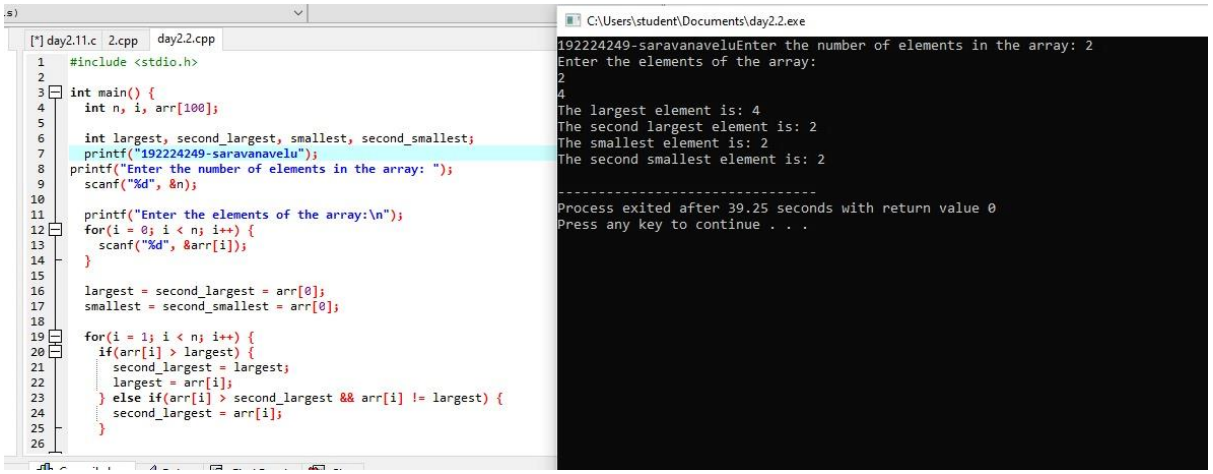
C programming 192224249 saravanavelu.D

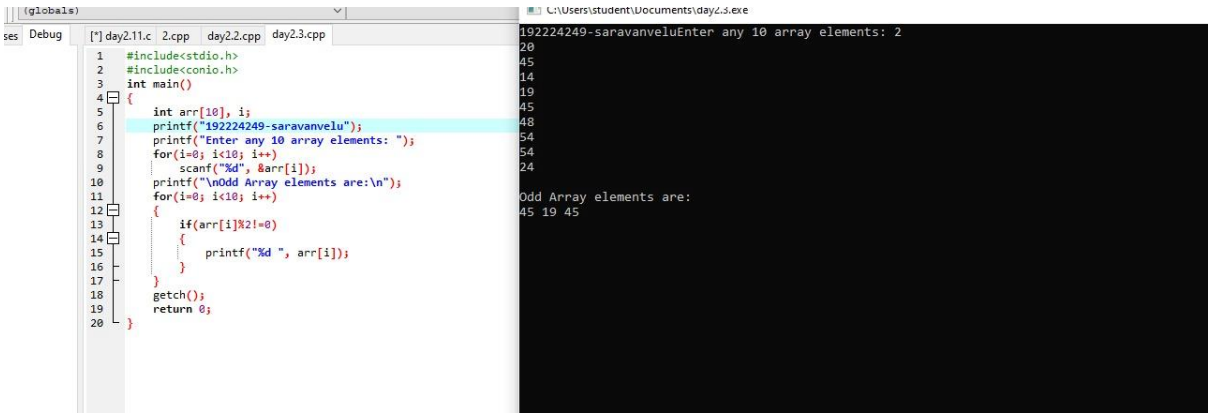
1.



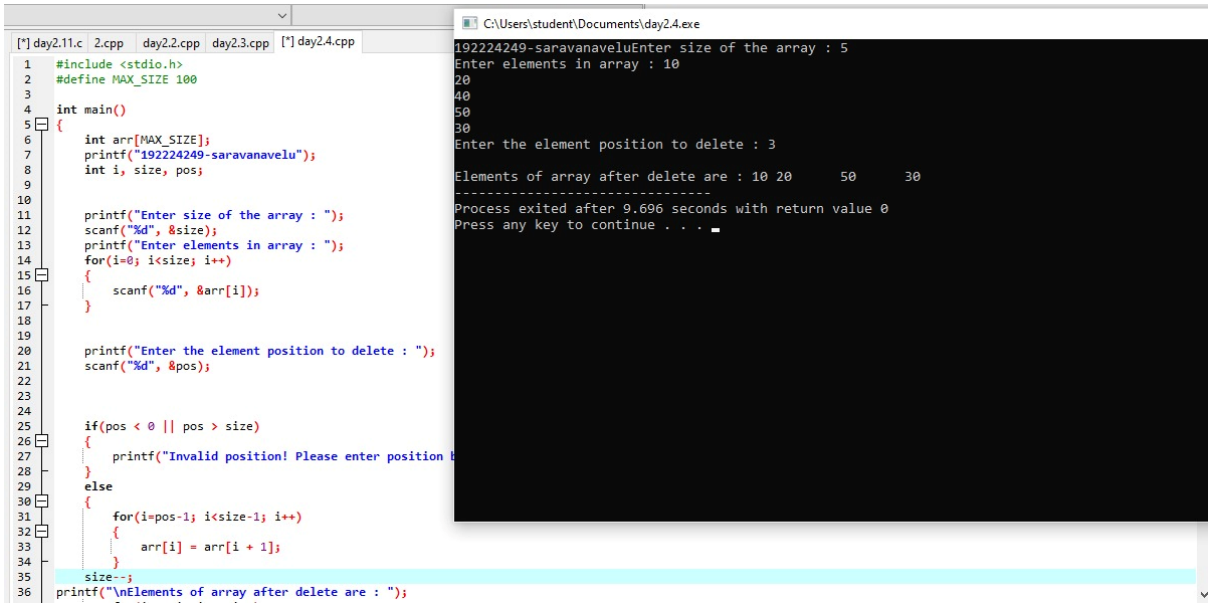
2.



3.



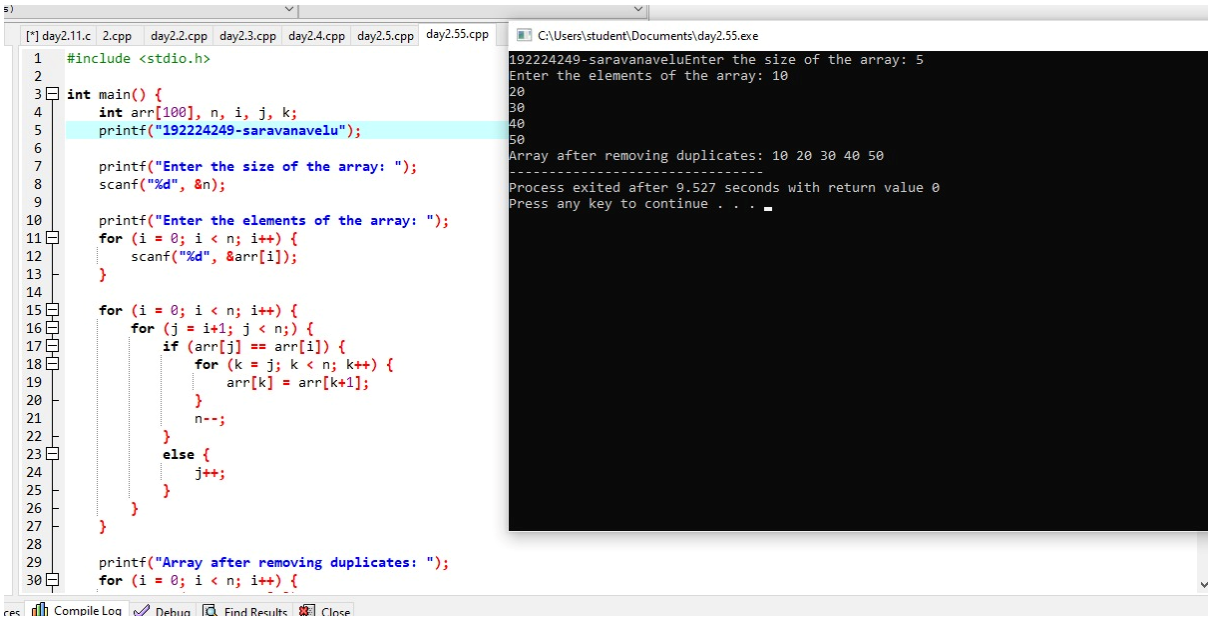
4.



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

int main()
{
    int arr[MAX_SIZE];
    printf("192224249-saravanavelu");
    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 b
    }
    else
    {
        for(i=pos-1; i<size-1; i++)
        {
            arr[i] = arr[i + 1];
        }
    size--;
printf("\nElements of array after delete are : ");
```

```
C:\Users\student\Documents\day2.4.exe
192224249-saravanaveluEnter size of the array : 5
Enter elements in array : 10
20
40
50
30
Enter the element position to delete : 3

Elements of array after delete are : 10 20      50      30
--------------------------------
Process exited after 9.696 seconds with return value 0
Press any key to continue . . .
```

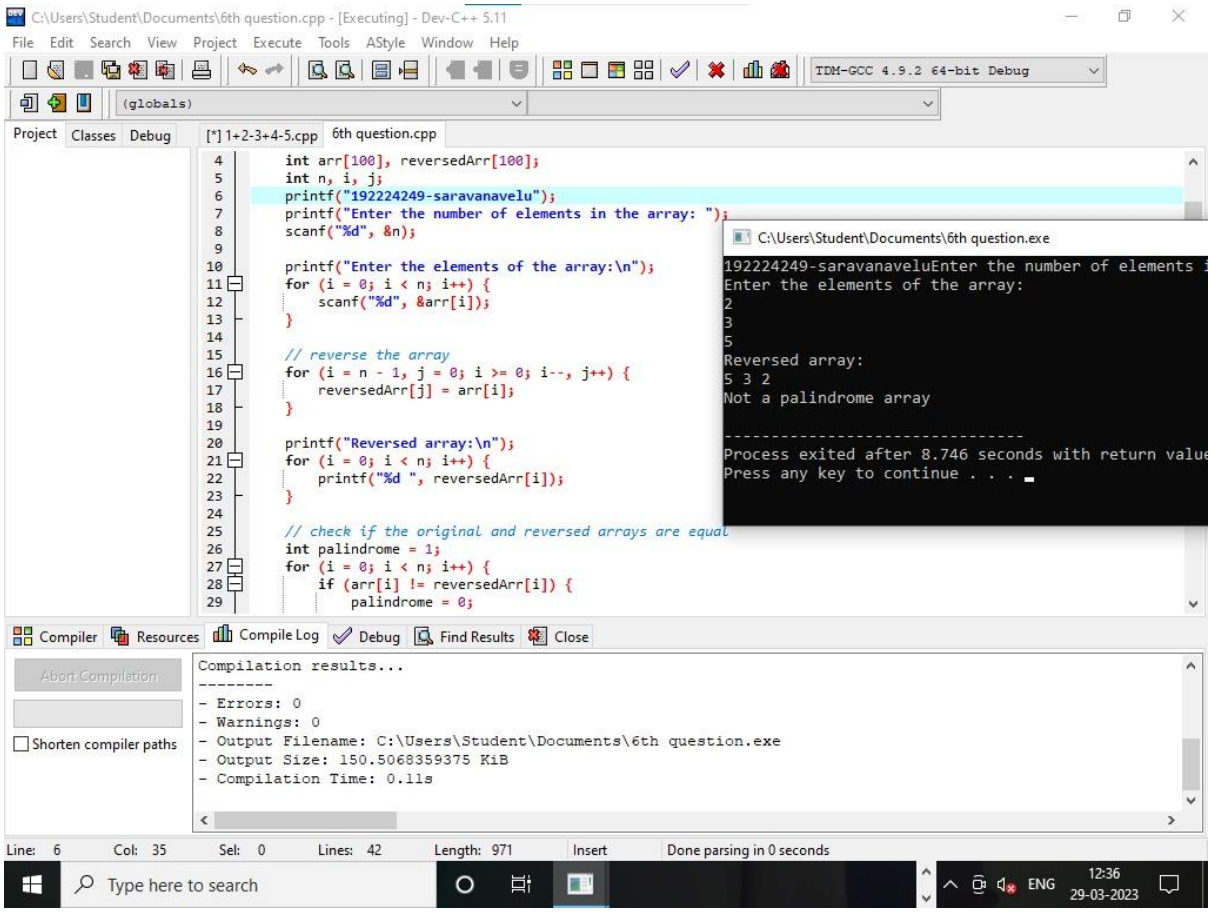
5.



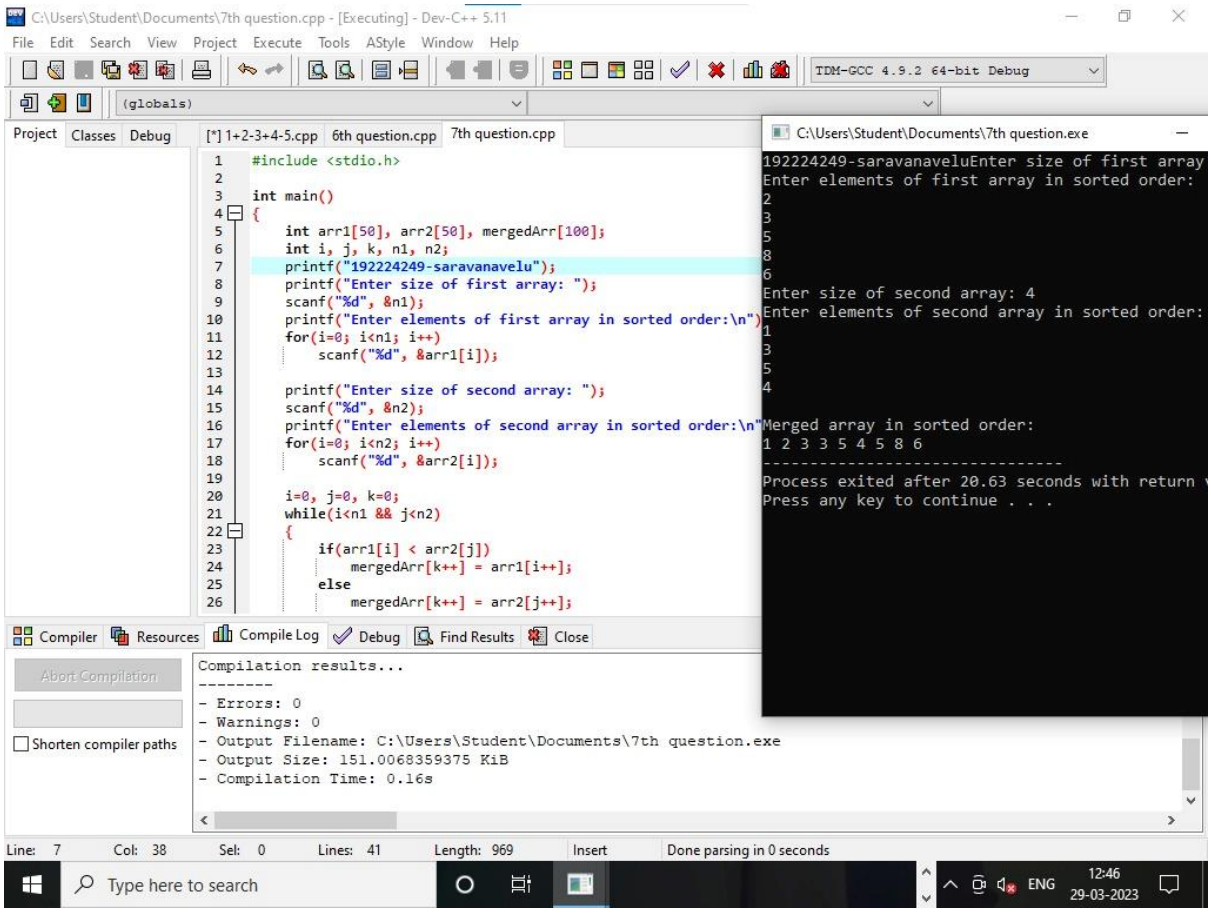
```c
#include <stdio.h>

int main() {
    int arr[100], n, i, j, k;
    printf("192224249-saravanavelu");

    printf("Enter the size of the array: ");
    scanf("%d", &n);

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

    for (i = 0; i < n; i++) {
        for (j = i+1; j < n;) {
            if (arr[j] == arr[i]) {
                for (k = j; k < n; k++) {
                    arr[k] = arr[k+1];
                }
                n--;
            }
            else {
                j++;
            }
        }
    }

    printf("Array after removing duplicates: ");
    for (i = 0; i < n; i++) {
```

```
C:\Users\student\Documents\day2.55.exe
192224249-saravanaveluEnter the size of the array: 5
Enter the elements of the array: 10
20
30
40
50
Array after removing duplicates: 10 20 30 40 50
--------------------------------
Process exited after 9.527 seconds with return value 0
Press any key to continue . . .
```

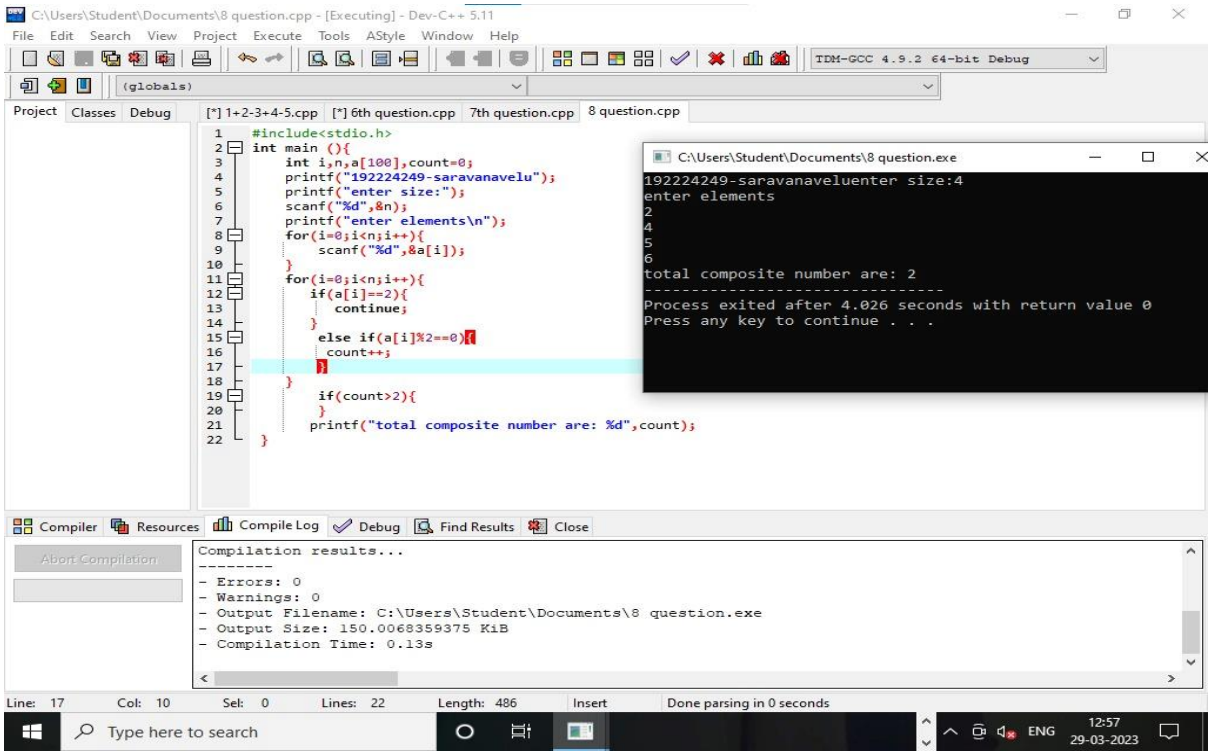
6.


C:\Users\Student\Documents\6th question.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Debug
(globals)
Project Classes Debug
[*] 1+2-3+4-5.cpp 6th question.cpp
int arr[100], reversedArr[100];
int n, i, j;
printf("192224249-saravanavelu");
printf("Enter the number of elements in the array: ");
scanf("%d", &n);
printf("Enter the elements of the array:\n");
for (i = 0; i < n; i++) {
scanf("%d", &arr[i]);
}
// reverse the array
for (i = n - 1, j = 0; i >= 0; i--, j++) {
reversedArr[j] = arr[i];
}
printf("Reversed array:\n");
for (i = 0; i < n; i++) {
printf("%d ", reversedArr[i]);
}
// check if the original and reversed arrays are equal
int palindrome = 1;
for (i = 0; i < n; i++) {
if (arr[i] != reversedArr[i]) {
palindrome = 0;
C:\Users\Student\Documents\6th question.exe
192224249-saravanaveluEnter the number of elements
Enter the elements of the array:
2
3
5
Reversed array:
5 3 2
Not a palindrome array
Process exited after 8.746 seconds with return value
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: 0.11s
Line: 6 Col: 35 Sel: 0 Lines: 42 Length: 971 Insert Done parsing in 0 seconds
Type here to search
ENG 12:36 29-03-2023

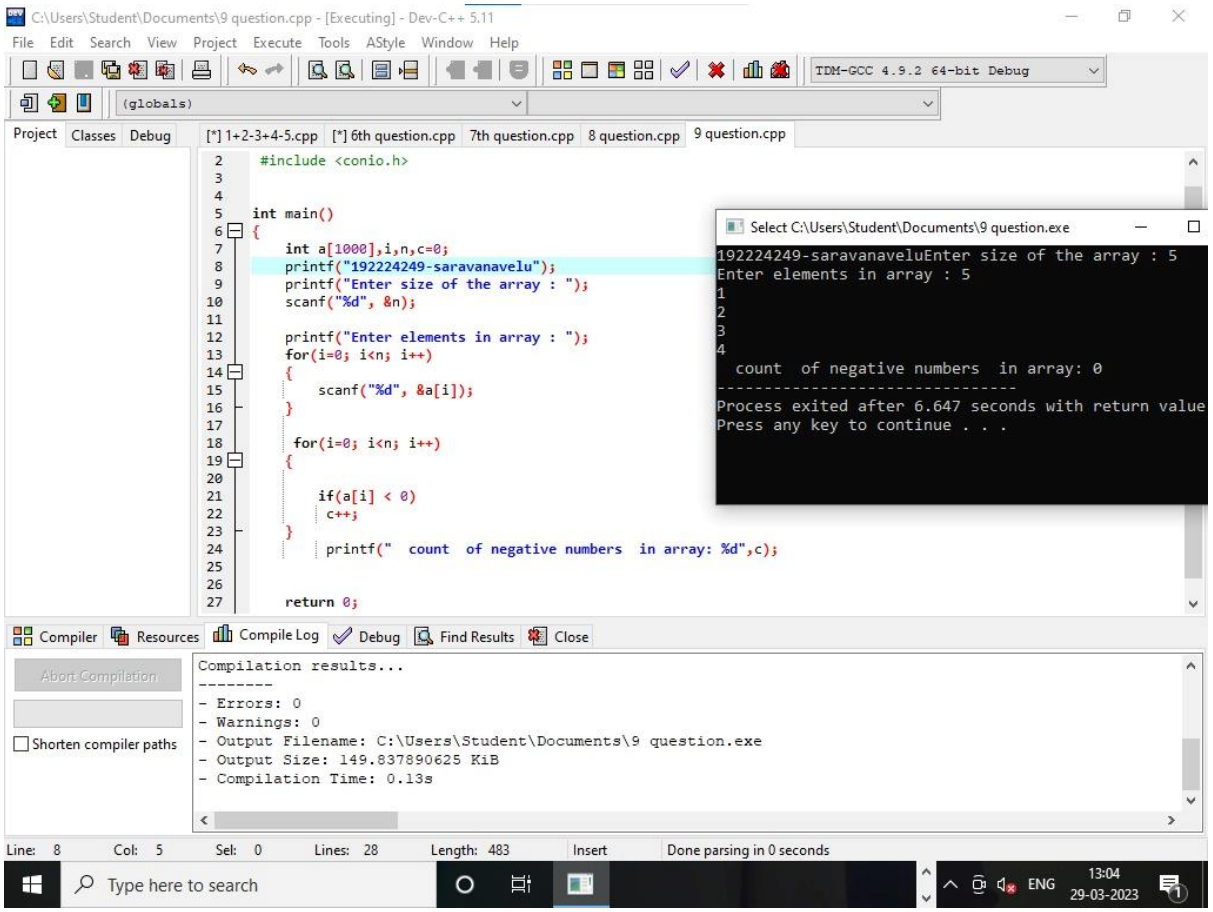
7.


C:\Users\Student\Documents\7th question.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Debug
(globals)
Project Classes Debug
[*] 1+2-3+4-5.cpp 6th question.cpp 7th question.cpp
#include <stdio.h>
int main()
{
int arr1[50], arr2[50], mergedArr[100];
int i, j, k, n1, n2;
printf("192224249-saravanavelu");
printf("Enter size of first array: ");
scanf("%d", &n1);
printf("Enter elements of first array in sorted order:\n");
for(i=0; i<n1; i++)
scanf("%d", &arr1[i]);
printf("Enter size of second array: ");
scanf("%d", &n2);
printf("Enter elements of second array in sorted order:\n");
for(i=0; i<n2; i++)
scanf("%d", &arr2[i]);
i=0, j=0, k=0;
while(i<n1 && j<n2)
{
if(arr1[i] < arr2[j])
mergedArr[k++] = arr1[i++];
else
mergedArr[k++] = arr2[j++];
C:\Users\Student\Documents\7th question.exe
192224249-saravanaveluEnter size of first array
Enter elements of first array in sorted order:
2
3
5
8
6
Enter size of second array: 4
Enter elements of second array in sorted order:
1
3
5
4
Merged array in sorted order:
1 2 3 3 5 4 5 8 6
Process exited after 20.63 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: 0.16s
Line: 7 Col: 38 Sel: 0 Lines: 41 Length: 969 Insert Done parsing in 0 seconds
Type here to search
ENG 12:46 29-03-2023

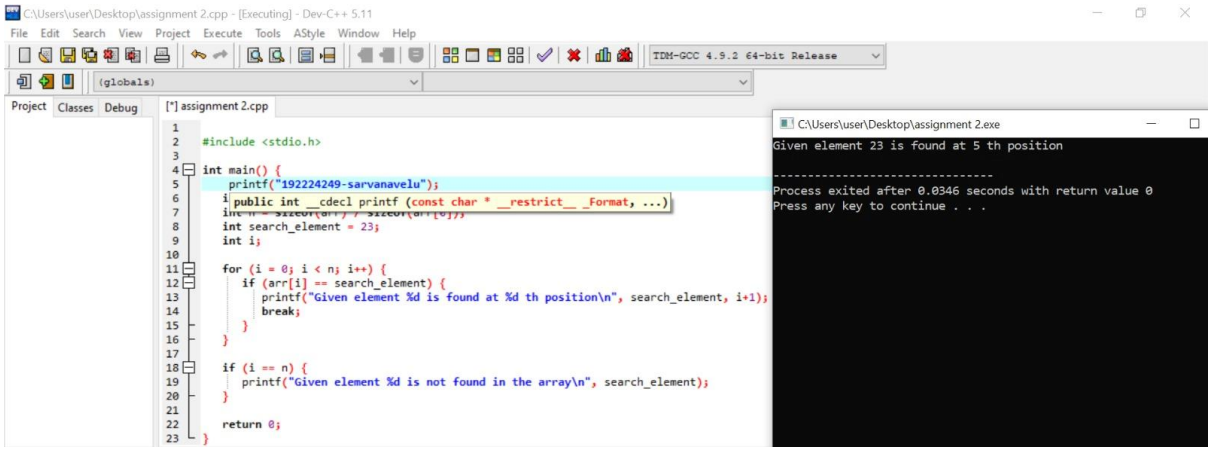
8.


C:\Users\Student\Documents\8 question.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
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
#include<stdio.h>
int main (){
int i,n,a[100],count=0;
printf("192224249-saravanavelu");
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
192224249-saravanaveluenter size:4
enter elements
2
4
5
6
total composite number are: 2
Process exited after 4.026 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Student\Documents\8 question.exe
- Output Size: 150.0068359375 KiB
- Compilation Time: 0.13s
Line: 17 Col: 10 Sel: 0 Lines: 22 Length: 486 Insert Done parsing in 0 seconds
Type here to search
ENG 12:57 29-03-2023

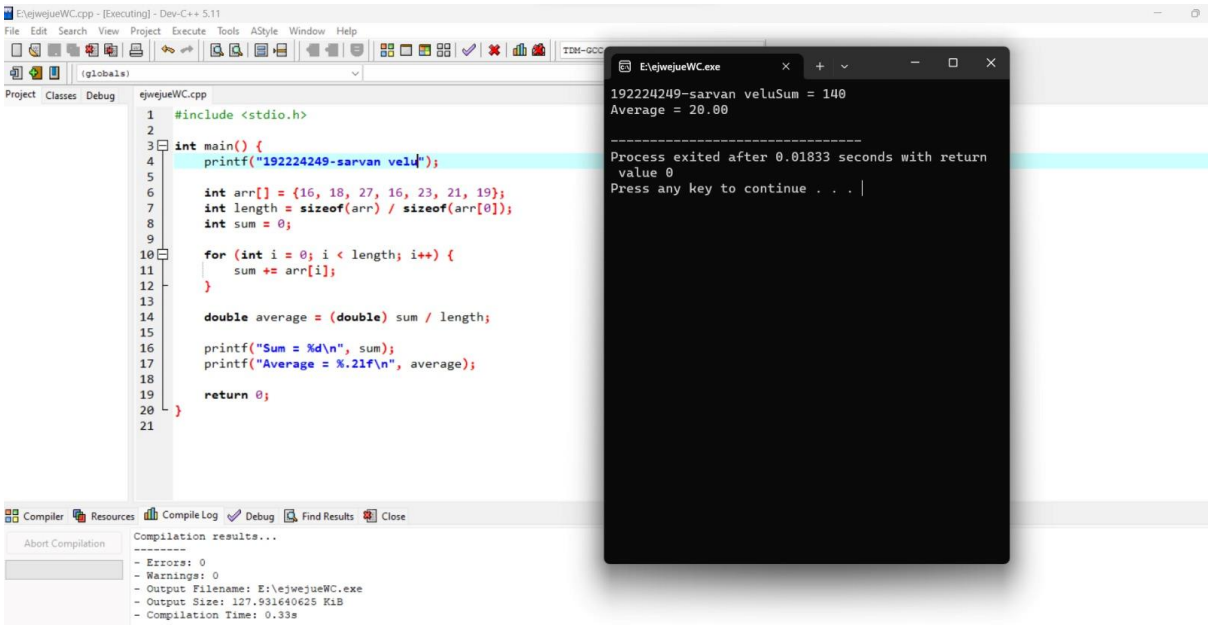
9.


C:\Users\Student\Documents\9 question.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
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 9 question.cpp
#include <conio.h>
int main()
{
int a[1000],i,n,c=0;
printf("192224249-saravanavelu");
printf("Enter size of the array : ");
scanf("%d", &n);
printf("Enter elements in array : ");
for(i=0; i<n; i++)
{
scanf("%d", &a[i]);
}
for(i=0; i<n; i++)
{
if(a[i] < 0)
c++;
}
printf(" count of negative numbers in array: %d",c);
return 0;
Select C:\Users\Student\Documents\9 question.exe
192224249-saravanaveluEnter size of the array : 5
Enter elements in array : 5
1
2
3
4
count of negative numbers in array: 0
Process exited after 6.647 seconds with return value
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: 5 Sel: 0 Lines: 28 Length: 483 Insert Done parsing in 0 seconds
Type here to search
ENG 13:04 29-03-2023

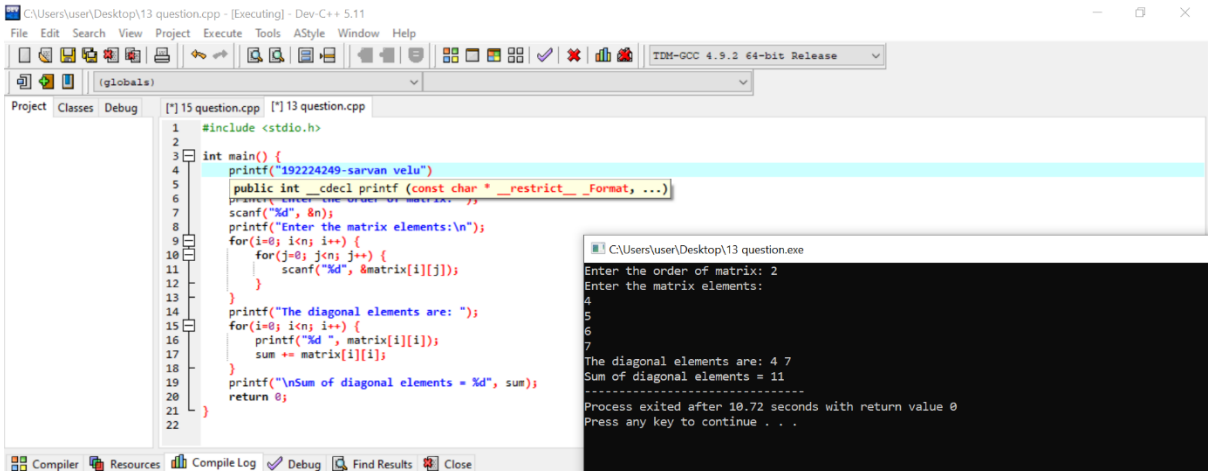
11.


C:\Users\user\Desktop\assignment 2.cpp - [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
[*] assignment 2.cpp
#include <stdio.h>
int main() {
printf("192224249-sarvanavelu");
public int __cdecl printf (const char * __restrict__ _Format, ...)
int search_element = 23;
int i;
for (i = 0; i < n; i++) {
if (arr[i] == search_element) {
printf("Given element %d is found at %d th position\n", search_element, i+1);
break;
}
}
if (i == n) {
printf("Given element %d is not found in the array\n", search_element);
}
return 0;
}
C:\Users\user\Desktop\assignment 2.exe
Given element 23 is found at 5 th position
Process exited after 0.0346 seconds with return value 0
Press any key to continue . . .

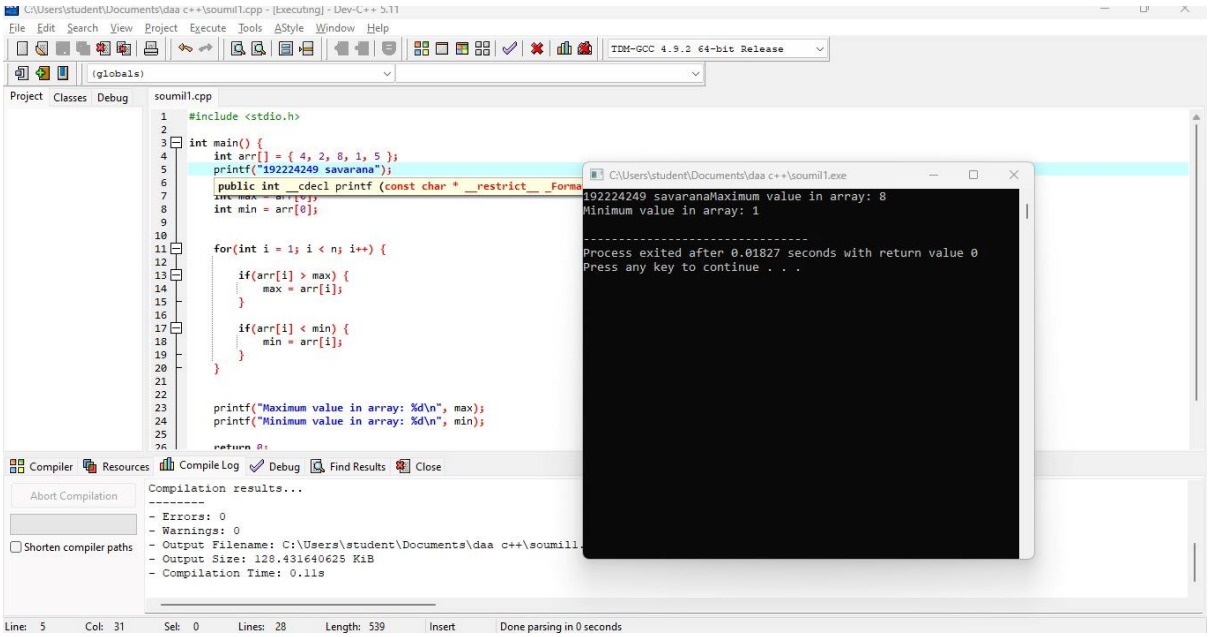
12.


E:\ejwejueWC.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug
ejwejueWC.cpp
#include <stdio.h>
int main() {
printf("192224249-sarvan velu");
int arr[] = {16, 18, 27, 16, 23, 21, 19};
int length = sizeof(arr) / sizeof(arr[0]);
int sum = 0;
for (int i = 0; i < length; i++) {
sum += arr[i];
}
double average = (double) sum / length;
printf("Sum = %d\n", sum);
printf("Average = %.2lf\n", average);
return 0;
}
E:\ejwejueWC.exe
192224249-sarvan veluSum = 140
Average = 20.00
Process exited after 0.01833 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: E:\ejwejueWC.exe
- Output Size: 127.931640625 KiB
- Compilation Time: 0.33s

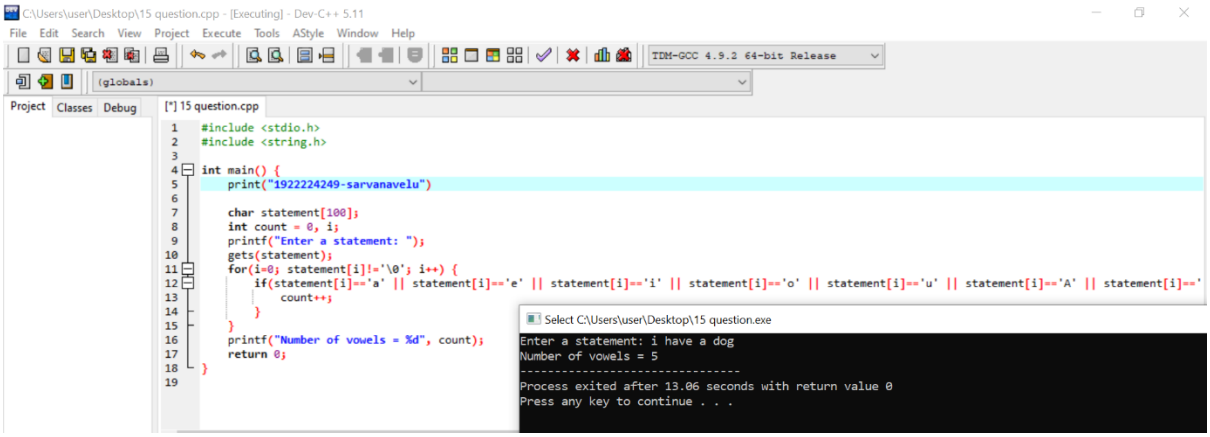
13.


C:\Users\user\Desktop\13 question.cpp - [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
[*] 15 question.cpp
[*] 13 question.cpp
#include <stdio.h>
int main() {
printf("192224249-sarvan velu")
public int __cdecl printf (const char * __restrict__ _Format, ...)
scanf("%d", &n);
printf("Enter the matrix elements:\n");
for(i=0; i<n; i++) {
for(j=0; j<n; j++) {
scanf("%d", &matrix[i][j]);
}
}
printf("The diagonal elements are: ");
for(i=0; i<n; i++) {
printf("%d ", matrix[i][i]);
sum += matrix[i][i];
}
printf("\nSum of diagonal elements = %d", sum);
return 0;
}
C:\Users\user\Desktop\13 question.exe
Enter the order of matrix: 2
Enter the matrix elements:
4
5
6
7
The diagonal elements are: 4 7
Sum of diagonal elements = 11
Process exited after 10.72 seconds with return value 0
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close

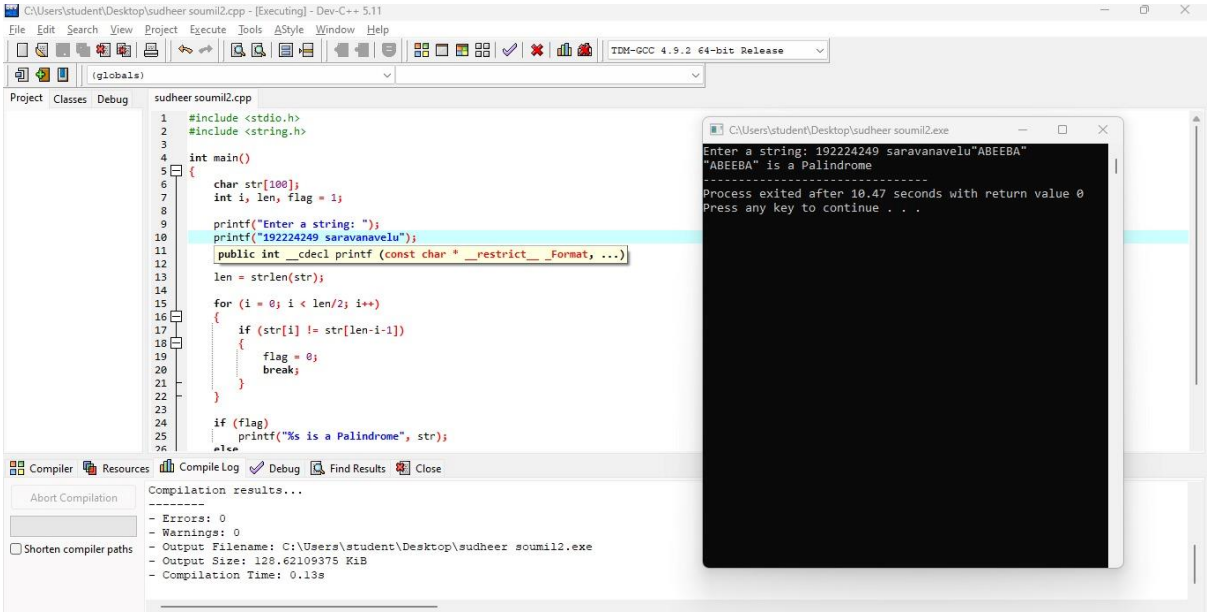
14


soumil1.cpp
#include <stdio.h>
int main() {
int arr[] = { 4, 2, 8, 1, 5 };
printf("192224249 savarana");
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);
192224249 savaranaMaximum value in array: 8
Minimum value in array: 1
Process exited after 0.01827 seconds with return value 0
Press any key to continue . . .
Compilation results...
- Errors: 0
- Warnings: 0
- Output Size: 128.431640625 KiB
- Compilation Time: 0.11s

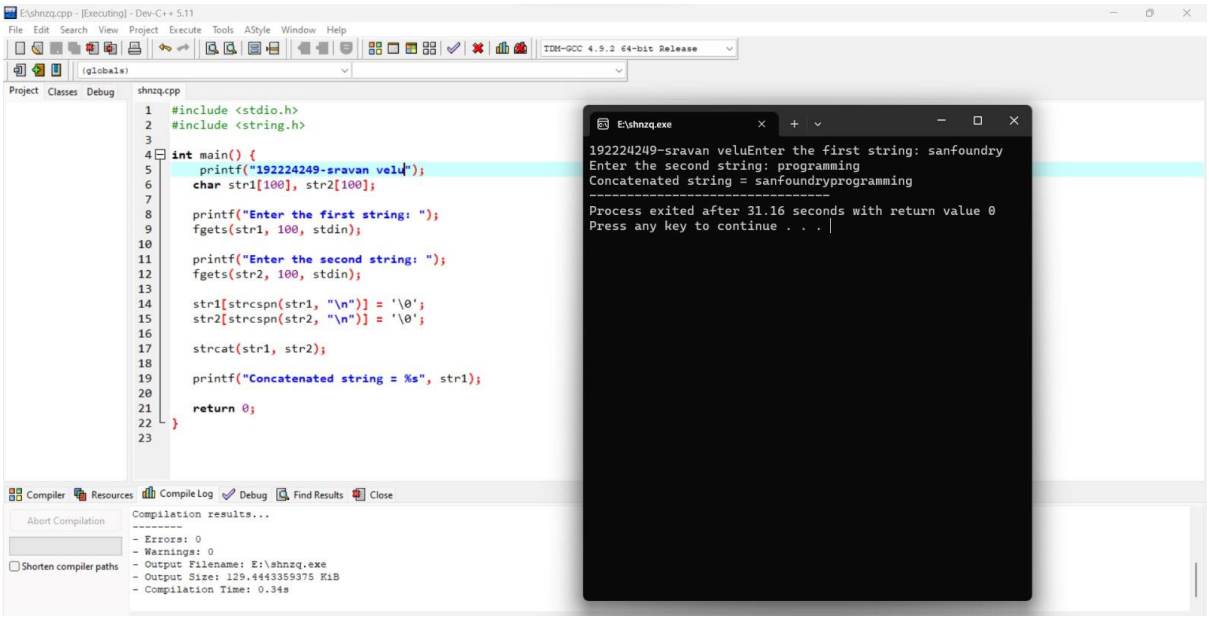
15.


[*] 15 question.cpp
#include <stdio.h>
#include <string.h>
int main() {
print("1922224249-sarvanavelu")
char statement[100];
int count = 0, i;
printf("Enter a statement: ");
gets(statement);
for(i=0; statement[i]!='\0'; i++) {
if(statement[i]=='a' || statement[i]=='e' || statement[i]=='i' || statement[i]=='o' || statement[i]=='u' || statement[i]=='A' || statement[i]=='
count++;
}
}
printf("Number of vowels = %d", count);
return 0;
}
Enter a statement: i have a dog
Number of vowels = 5
Process exited after 13.06 seconds with return value 0
Press any key to continue . . .

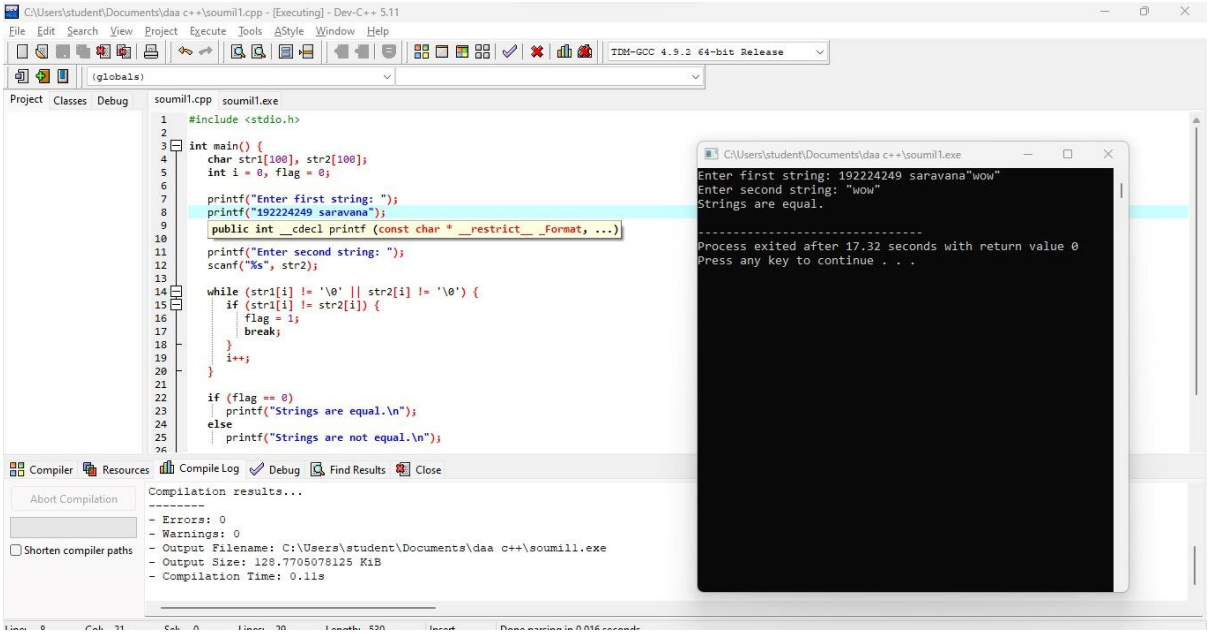
16.


sudheer soumil2.cpp
#include <stdio.h>
#include <string.h>
int main()
{
char str[100];
int i, len, flag = 1;
printf("Enter a string: ");
printf("192224249 saravanavelu");
len = strlen(str);
for (i = 0; i < len/2; i++)
{
if (str[i] != str[len-i-1])
{
flag = 0;
break;
}
}
if (flag)
printf("%s is a Palindrome", str);
Enter a string: 192224249 saravanavelu"ABEEBA"
"ABEEBA" is a Palindrome
Process exited after 10.47 seconds with return value 0
Press any key to continue . . .
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student\Desktop\sudheer soumil2.exe
- Output Size: 128.62109375 KiB
- Compilation Time: 0.13s

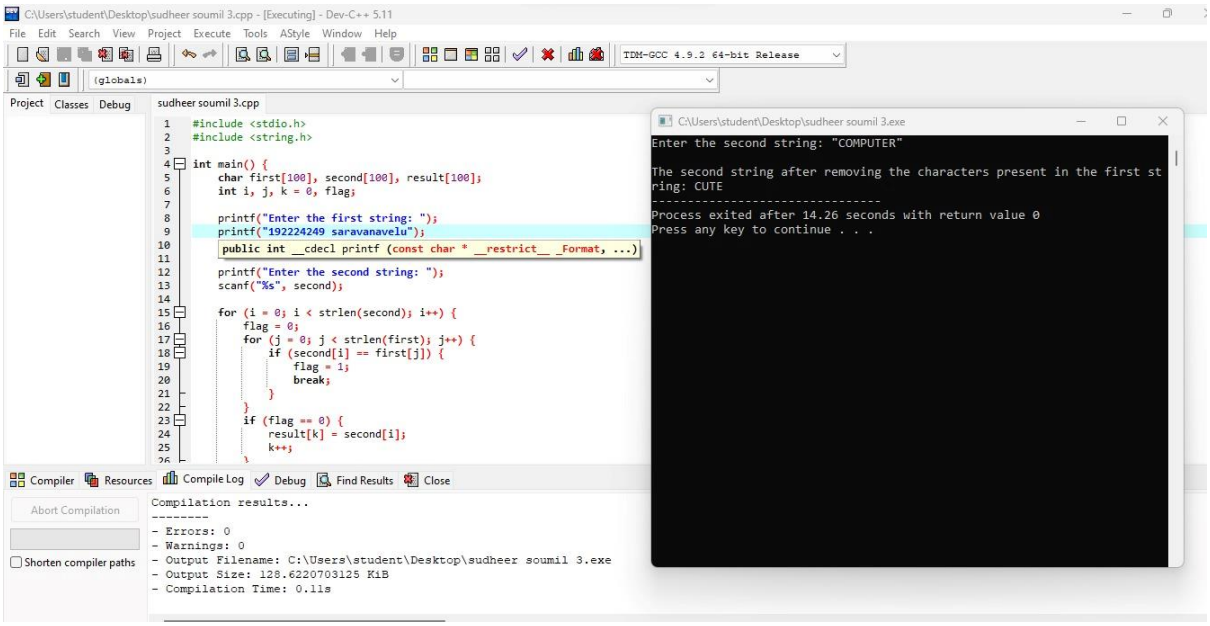
17.


E:\shnzq.cpp - [Executing] - Dev-C++ 5.11
#include <stdio.h>
#include <string.h>
int main() {
printf("192224249-sravan velu");
char str1[100], str2[100];
printf("Enter the first string: ");
fgets(str1, 100, stdin);
printf("Enter the second string: ");
fgets(str2, 100, stdin);
str1[strcspn(str1, "\n")] = '\0';
str2[strcspn(str2, "\n")] = '\0';
strcat(str1, str2);
printf("Concatenated string = %s", str1);
return 0;
}
E:\shnzq.exe
192224249-sravan veluEnter the first string: sanfoundry
Enter the second string: programming
Concatenated string = sanfoundryprogramming
Process exited after 31.16 seconds with return value 0
Press any key to continue . . .
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: E:\shnzq.exe
- Output Size: 129.4443359375 KiB
- Compilation Time: 0.34s

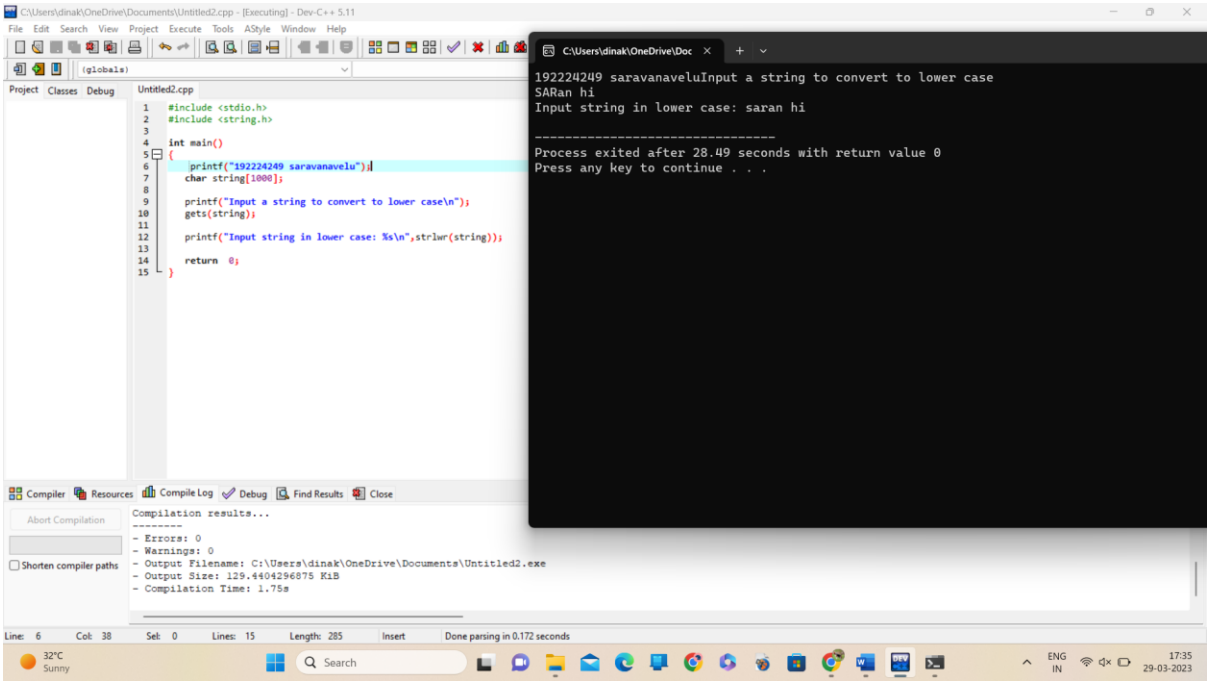
18.


C:\Users\student\Documents\daa c++\soumil1.cpp - [Executing] - Dev-C++ 5.11
#include <stdio.h>
int main() {
char str1[100], str2[100];
int i = 0, flag = 0;
printf("Enter first string: ");
printf("192224249 saravana");
public int __cdecl printf (const char * __restrict__ _Format, ...)
printf("Enter second string: ");
scanf("%s", str2);
while (str1[i] != '\0' || str2[i] != '\0') {
if (str1[i] != str2[i]) {
flag = 1;
break;
}
i++;
}
if (flag == 0)
printf("Strings are equal.\n");
else
printf("Strings are not equal.\n");
C:\Users\student\Documents\daa c++\soumil1.exe
Enter first string: 192224249 saravana"wow"
Enter second string: "wow"
Strings are equal.
Process exited after 17.32 seconds with return value 0
Press any key to continue . . .
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\student\Documents\daa c++\soumil1.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.11s

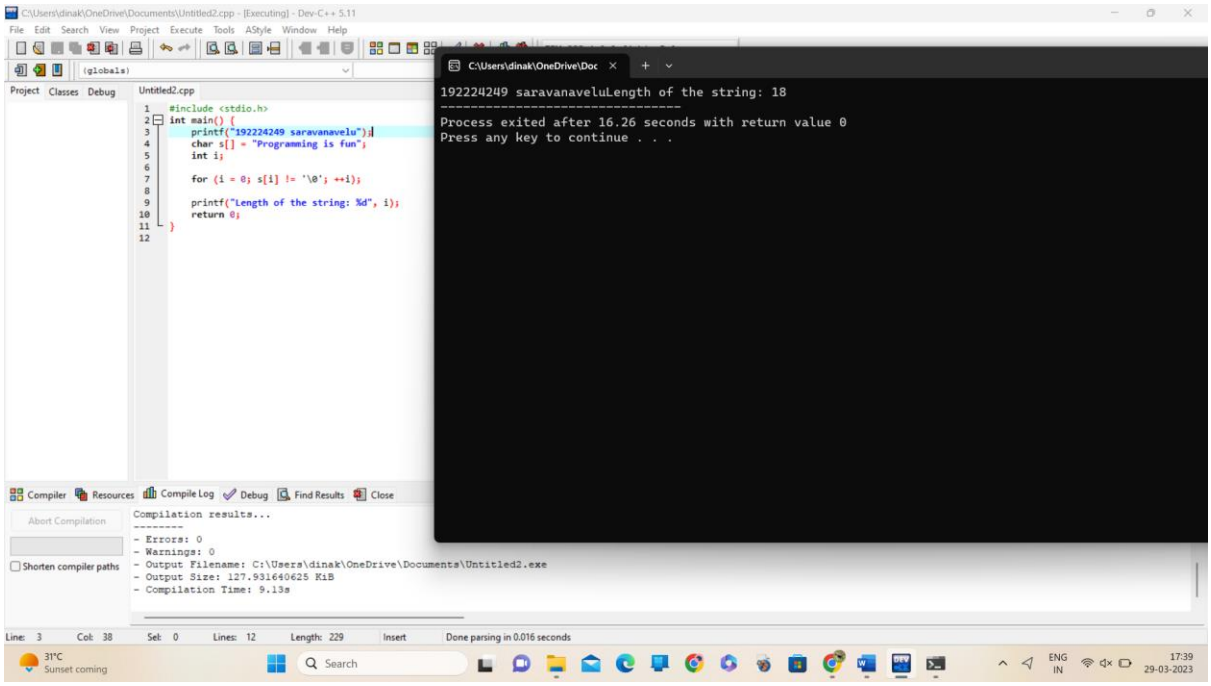
19.


C:\Users\student\Desktop\sudheer soumil 3.cpp - [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
sudheer soumil 3.cpp
#include <stdio.h>
#include <string.h>
int main() {
char first[100], second[100], result[100];
int i, j, k = 0, flag;
printf("Enter the first string: ");
printf("192224249 saravanavelu");
public int __cdecl printf (const char * __restrict__ _Format, ...)
printf("Enter the second string: ");
scanf("%s", second);
for (i = 0; i < strlen(second); i++) {
flag = 0;
for (j = 0; j < strlen(first); j++) {
if (second[i] == first[j]) {
flag = 1;
break;
}
}
if (flag == 0) {
result[k] = second[i];
k++;
}
C:\Users\student\Desktop\sudheer soumil 3.exe
Enter the second string: "COMPUTER"
The second string after removing the characters present in the first st
ring: CUTE
Process exited after 14.26 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: 0.11s

20.


C:\Users\dinak\OneDrive\Documents\Untitled2.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug
Untitled2.cpp
#include <stdio.h>
#include <string.h>
int main()
{
printf("192224249 saravanavelu");
char string[1000];
printf("Input a string to convert to lower case\n");
gets(string);
printf("Input string in lower case: %s\n",strlwr(string));
return 0;
}
C:\Users\dinak\OneDrive\Doc
192224249 saravanaveluInput a string to convert to lower case
SARan hi
Input string in lower case: saran hi
Process exited after 28.49 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\dinak\OneDrive\Documents\Untitled2.exe
- Output Size: 129.4404296875 KiB
- Compilation Time: 1.75s
Line: 6 Col: 38 Sel: 0 Lines: 15 Length: 285 Insert Done parsing in 0.172 seconds
32°C Sunny
Search
ENG IN
17:35 29-03-2023

21.


C:\Users\dinak\OneDrive\Documents\Untitled2.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug
Untitled2.cpp
#include <stdio.h>
int main() {
printf("192224249 saravanavelu");
char s[] = "Programming is fun";
int i;
for (i = 0; s[i] != '\0'; ++i);
printf("Length of the string: %d", i);
return 0;
}
C:\Users\dinak\OneDrive\Doc
192224249 saravanaveluLength of the string: 18
Process exited after 16.26 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\dinak\OneDrive\Documents\Untitled2.exe
- Output Size: 127.931640625 KiB
- Compilation Time: 9.13s
Line: 3 Col: 38 Sel: 0 Lines: 12 Length: 229 Insert Done parsing in 0.016 seconds
31°C
Sunset coming
Search
ENG
IN
17:39
29-03-2023