

```
4 int a[2][2],i,j;
```

C:\Users\sunke\OneDrive\Doc

Enter the four elements of matrix:4 4 4 4 4 4 4 4 4 4 4 4 4 4

The matrix

0 0

65 0

determinant of 2\*2 matrix;-4225

-----  
Process exited after 20.34 seconds with return value 0

Press any key to continue . . . |



C:\Users\sunke\OneDrive\Documents\ass3que2.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug ass3que3.cpp ass3que2.cpp

```
1  #include <stdio.h>
2  int isPrime(int num)
3  {
4      int i;
5      for(i = 2; i <= num/2; i++)
6      {
7          if(num % i == 0)
8          {
9              return 0;
10         }
11     }
12     return 1;
13 }
14
15 int main()
16 {
17     int n, i, flag = 0;
18     printf("Enter a positive integer: ");
19     scanf("%d", &n);
20     for(i = 2; i <= n/2; i++)
21     {
22         if(isPrime(i))
23         {
24             if(isPrime(n-i))
25             {
26                 printf("%d can be expressed as the sum of %d and %d\n", n, i, n-i);
27                 flag = 1;
28             }
29         }
30     }
31     if(flag == 0)
32         printf("No such pair found\n");
33 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que2.exe
- Output Size: 129.130859375 KiB
- Compilation Time: 0.31s

Line: 32 Col: 5 Sel: 0 Lines: 37 Length: 670 Insert Done parsing in 0.016 seconds

28°C Partly cloudy

Search

ENG IN

21:07 30-03-2023



```
C:\Users\sunke\OneDrive\Do x + v
Enter a positive integer: 5
5 can be expressed as the sum of 2 and 3

-----
Process exited after 5.748 seconds with return value 0
Press any key to continue . . .
```

Compiler Re

Abort Compilation

☐ Shorten compiler pa

Line: 32 Col: 5 Sel: 0 Lines: 37 Length: 670 Insert Done parsing in 0.016 seconds

C:\Users\sunke\OneDrive\Documents\ass3que3.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug ass3que3.cpp

```
1  #include <stdio.h>
2  #include <stdbool.h>
3  bool isPrime(int num)
4  {
5      if (num <= 1)
6      {
7          return false;
8      }
9      for (int i = 2; i <= num/2; i++)
10     {
11         if (num % i == 0)
12         {
13             return false;
14         }
15     }
16     return true;
17 }
18
19 int main()
20 {
21     int start, end;
22     printf("Enter the start and end of the interval: ");
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que3.exe
- Output Size: 129.802734375 KiB
- Compilation Time: 1.24s

Line: 28 Col: 9 Sel: 0 Lines: 35 Length: 627 Insert Done parsing in 0.109 seconds

28°C Partly cloudy

Search

ENG IN

21:02 30-03-2023

C:\Users\sunke\OneDrive\Documents\ass3que2.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug ass3que3.cpp ass3que2.cpp

```
12     return 1;
13 }
14
15 int main()
16 {
17     int n, i, flag = 0;
18     printf("Enter a positive integer: ");
19     scanf("%d", &n);
20     for(i = 2; i <= n/2; i++)
21     {
22         if(isPrime(i))
23         {
24             if(isPrime(n-i))
25             {
26                 printf("%d can be expressed as the sum of %d and %d\n", n, i, n-i);
27                 flag = 1;
28             }
29         }
30     }
31     if(!flag)
32     {
33         printf("%d cannot be expressed as the sum of two prime numbers\n", n);
34     }
35     return 0;
36 }
37
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que2.exe
- Output Size: 129.130859375 KiB
- Compilation Time: 0.31s

Line: 32 Col: 5 Sel: 0 Lines: 37 Length: 670 Insert Done parsing in 0.016 seconds

28°C Partly cloudy

Search

ENG IN

21:07 30-03-2023



C:\Users\sunke\OneDrive\Documents\ass3que3.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug ass3que3.cpp

```
15 }
16     return true;
17 }
18
19 int main()
20 {
21     int start, end;
22     printf("Enter the start and end of the interval: ");
23     scanf("%d %d", &start, &end);
24     printf("Prime numbers between %d and %d are: ", start, end);
25     for (int i = start; i <= end; i++)
26     {
27         if (isPrime(i))
28             printf("%d ", i);
29     }
30     printf("\n");
31     return 0;
32 }
33
34 }
35
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que3.exe
- Output Size: 129.802734375 KiB
- Compilation Time: 1.24s

Line: 28 Col: 9 Sel: 0 Lines: 35 Length: 627 Insert Done parsing in 0.109 seconds

28°C Partly cloudy

Search

ENG IN

21:01 30-03-2023

```
1  #include<stdio.h>
2  int main()
3  {
4      int a[2][2],i,j;
5      long determinant;
6      printf("\n Enter the four elements of matrix");
7      for(i=0;i<2;i++)
8      {
9          for(j=0;j<2;j++)
10             scanf("%d",&a[i][j]);
11     }
12     printf("\n The matrix \n");
13     {
14         for(i=0;i<2;i++)
15         {
16             printf("\n");
17             for(j=0;j<2;j++)
18                 printf("%d\t",a[i][j]);
19         }
20     }
21     determinant=a[0][0]*a[1][1]-a[1][0]*a[0][1];
22     printf("\n determinant of 2*2 matrix;%ld",determinant);
```

Abort Compilation

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\class test2.exe  
- Output Size: 129.7734375 KiB  
- Compilation Time: 0.24s

C:\Users\sunke\OneDrive\Documents\ass3que3.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

```
C:\Users\sunke\OneDrive\Documents\ass3que3.exe
Enter the start and end of the interval: 5
6
Prime numbers between 5 and 6 are: 5

-----
Process exited after 10.31 seconds with return value 0
Press any key to continue . . . |
```

Shorten compiler paths - Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que3.exe  
- Output Size: 129.802734375 KiB  
- Compilation Time: 1.24s

Line: 28 Col: 9 Sel: 0 Lines: 35 Length: 627 Insert Done parsing in 0.109 seconds



C:\Users\sunke\OneDrive\Documents\class test2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug classtest1.cpp class test2.cpp multiplication of matrices.cpp

```
9   for(j=0;j<n;j++)
10  scanf("%d",&a[i][j]);
11  printf("\n Enter the elements of the B matrix");
12  for(i=0;i<m;i++)
13  for(j=0;j<n;j++)
14  scanf("%d",&b[i][j]);
15  for(i=0;i<m;i++)
16  for(j=0;j<n;j++)
17  c[i][j]=a[i][j]+b[i][j];
18  printf("\n The addition of two matrices");
19  for(i=0;i<m;i++)
20  {
21  printf("\n");
22  for(j=0;j<n;j++)
23  {
24
25  printf("\t%d",c[i][j]);
26  return 0;
27  }
28  }
29  }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\class test2.exe
- Output Size: 129.7734375 KiB
- Compilation Time: 0.20s

Line: 14 Col: 26 Sel: 0 Lines: 29 Length: 633 Insert Done parsing in 0.016 seconds

10:08 30-03-2023

C:\Users\sunke\OneDrive\Documents\ass3que5.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug ass3que3.cpp ass3que2.cpp ass3que1.cpp ass4que4.cpp ass3que5.cpp

```
1 #include <stdio.h>
2 #include <string.h>
3 #define MAX_SIZE 100
4 int main()
5 {
6     char str[MAX_SIZE];
7     int freq[256] = {0};
8     int i, max_freq = 0;
9     char max_char;
10    printf("Enter a string: ");
11    fgets(str, MAX_SIZE, stdin);
12    for(i = 0; i < strlen(str); i++)
13    {
14        freq[str[i]]++;
15    }
16    for(i = 0; i < 256; i++)
17    {
18        if(freq[i] > max_freq)
19        {
20            max_freq = freq[i];
21            max_char = i;
22        }
23    }
24    printf("Highest frequency character is '%c' with frequency %d.", max_char, max_freq);
25    return 0;
26 }
27
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que5.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.27s

Line: 25 Col: 14 Sel: 0 Lines: 27 Length: 597 Insert Done parsing in 0.032 seconds

28°C Partly cloudy

Search

ENG IN

21:23 30-03-2023

C:\Users\sunke\OneDrive\Documents\ass3que6.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

Project Class

C:\Users\sunke\OneDrive\Documents\ass3que6.cpp

Enter the first string: 8

Enter the second string: 9

Strings are not anagrams.

-----  
Process exited after 9.197 seconds with return value 0

Press any key to continue . . . |

Compiler

Abort C

☐ Shorten compiler paths

- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que6.exe
- Output Size: 128.76953125 KiB
- Compilation Time: 0.25s

Line: 40 Col: 1 Sel: 0 Lines: 43 Length: 846 Insert Done parsing in 0 seconds

28°C  
Partly cloudy



Search



ENG  
IN



21:29  
30-03-2023



```
C:\Users\sunke\OneDrive\Documents\ass4que4.exe
Enter two positive integers: 5
9
LCM of 5 and 9 is 45

-----
Process exited after 3.925 seconds with return value 0
Press any key to continue . . .
```

Shorten compiler paths

- Output Filename: C:\Users\sunke\OneDrive\Documents\ass4que4.exe
- Output Size: 128.6328125 KiB
- Compilation Time: 0.41s

C:\Users\sunke\OneDrive\Documents\ass4que4.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug ass3que3.cpp ass3que2.cpp ass3que1.cpp ass4que4.cpp

```
1 #include <stdio.h>
2 int find_lcm(int num1, int num2);
3 int main()
4 {
5     int num1, num2, lcm;
6     printf("Enter two positive integers: ");
7     scanf("%d %d", &num1, &num2);
8     lcm = find_lcm(num1, num2);
9     printf("LCM of %d and %d is %d\n", num1, num2, lcm);
10    return 0;
11 }
12 int find_lcm(int num1, int num2)
13 {
14     int max;
15     max = (num1 > num2) ? num1 : num2;
16     while (1)
17     {
18         if (max % num1 == 0 && max % num2 == 0)
19         {
20             return max;
21         }
22         ++max;
23     }
24 }
25
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass4que4.exe
- Output Size: 128.6328125 KiB
- Compilation Time: 0.41s

Line: 22 Col: 15 Sel: 0 Lines: 25 Length: 522 Insert Done parsing in 0.016 seconds

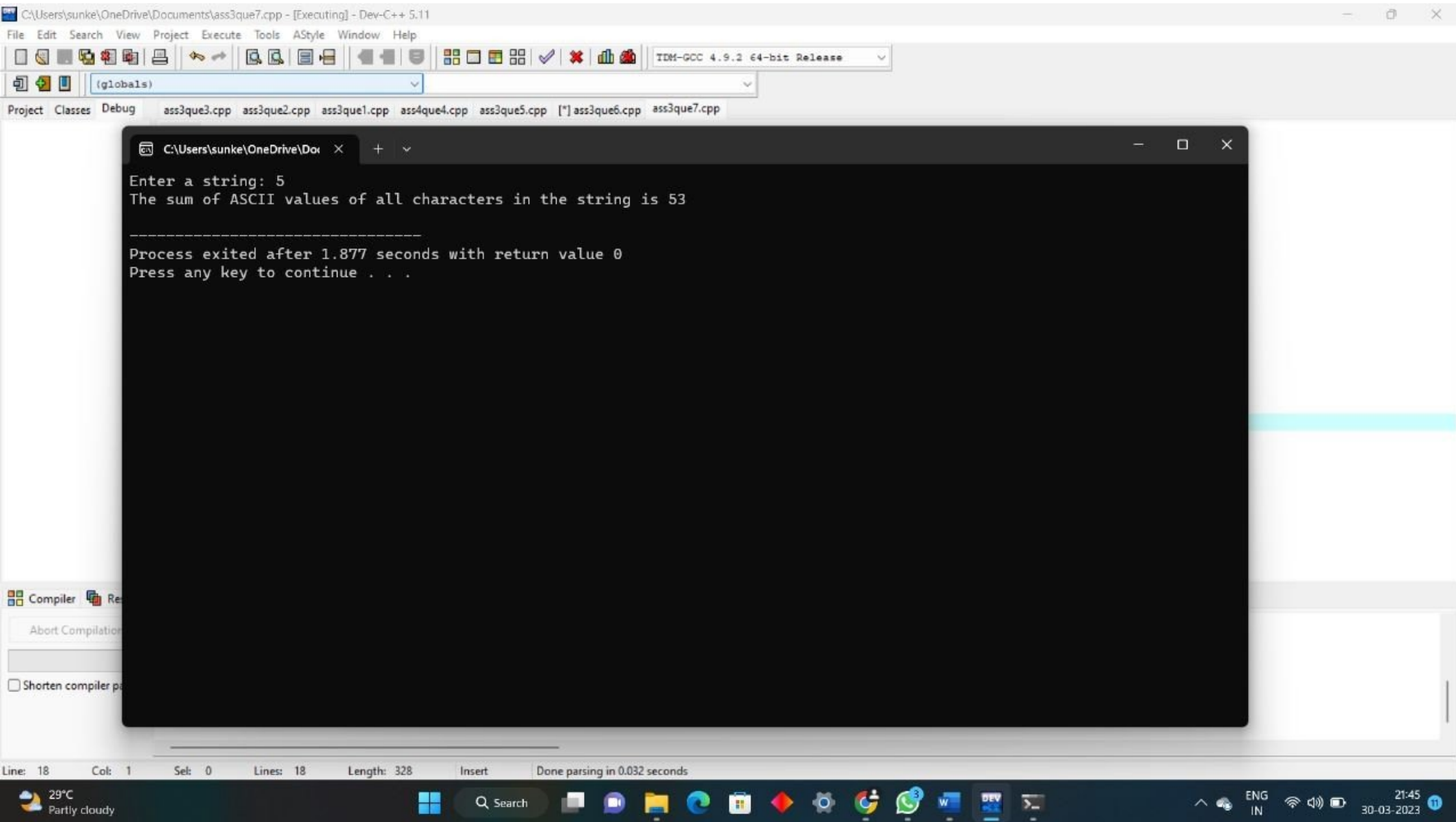
28°C Partly cloudy

Search

ENG IN

21:15 30-03-2023





C:\Users\sunke\OneDrive\Documents\ass3que6.cpp - 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 ass3que3.cpp ass3que2.cpp ass3que1.cpp ass4que4.cpp ass3que5.cpp [\*] ass3que6.cpp

```
17     return 0;
18 }
19 for (i = 0; i < len1; i++)
20 {
21     freq1[(int)str1[i]]++;
22     freq2[(int)str2[i]]++;
23 }
24 for (i = 0; i < 256; i++)
25 {
26     if (freq1[i] != freq2[i])
27     {
28         flag = 1;
29         break;
30     }
31 }
32 if (flag)
33 {
34     printf("Strings are not anagrams.\n");
35 }
36 else
37 {
38     printf("Strings are anagrams.\n");
39 }
40 return 0;
41 }
42
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que6.exe
- Output Size: 128.76953125 KiB
- Compilation Time: 0.25s

Line: 40 Col: 1 Sel: 0 Lines: 43 Length: 846 Insert Done parsing in 0 seconds

28°C Partly cloudy

Search

ENG IN

21:29 30-03-2023

```
1  #include <stdio.h>
2  #include <string.h>
3  int main()
4  {
5      char str1[100], str2[100];
6      int freq1[256] = {0}, freq2[256] = {0};
7      int len1, len2, i, flag = 0;
8      printf("Enter the first string: ");
9      gets(str1);
10     printf("Enter the second string: ");
11     gets(str2);
12     len1 = strlen(str1);
13     len2 = strlen(str2);
14     if (len1 != len2)
15     {
16         printf("Strings are not anagrams.\n");
17         return 0;
18     }
19     for (i = 0; i < len1; i++)
20     {
21         freq1[(int)str1[i]]++;
22         freq2[(int)str2[i]]++;
23     }
24     for (i = 0; i < 256; i++)
25     {
26         if (freq1[i] != freq2[i])
27         {
```

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que6.exe
- Output Size: 128.76953125 KiB
- Compilation Time: 0.25s
```

C:\Users\sunke\OneDrive\Documents\ass3que1.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug ass3que3.cpp ass3que2.cpp ass3que1.cpp ass4que4.cpp ass3que5.cpp [\*] ass3que6.cpp ass3que7.cpp ass3que8.cpp

```
7      *y = temp;
8    }
9    void permute(char *str, int start, int end)
10   {
11       if (start == end)
12           printf("%s\n", str);
13       else
14       {
15           for (int i = start; i <= end; i++)
16           {
17               swap((str + start), (str + i));
18               permute(str, start + 1, end);
19               swap((str + start), (str + i));
20           }
21       }
22   }
23   int main()
24   {
25       char str[100];
26       printf("Enter a string: ");
27       scanf("%s", str);
28       int n = strlen(str);
29       permute(str, 0, n - 1);
30       return 0;
31   }
32
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que1.exe
- Output Size: 128.83203125 KiB
- Compilation Time: 0.22s

Line: 30 Col: 1 Sel: 0 Lines: 33 Length: 623 Insert Done parsing in 0.015 seconds

29°C Partly cloudy

21:52 30-03-2023

```
1  #include <stdio.h>
2  #include <string.h>
3  void swap(char *x, char *y)
4  {
5      char temp = *x;
6      *x = *y;
7      *y = temp;
8  }
9  void permute(char *str, int start, int end)
10 {
11     if (start == end)
12         printf("%s\n", str);
13     else
14     {
15         for (int i = start; i <= end; i++)
16         {
17             swap((str + start), (str + i));
18             permute(str, start + 1, end);
19             swap((str + start), (str + i));
20         }
21     }
22 }
23 int main()
24 {
25     char str[100];
26     printf("Enter a string: ");
27     scanf("%s", str);
```

## Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que1.exe  
- Output Size: 128.83203125 KiB  
- Compilation Time: 0.22s



C:\Users\sunke\OneDrive\Documents\ass3que7.cpp - 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 ass3que3.cpp ass3que2.cpp ass3que1.cpp ass4que4.cpp ass3que5.cpp [\*] ass3que6.cpp ass3que7.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     char string[100];
5     int sum = 0, i;
6
7     printf("Enter a string: ");
8     scanf("%s", string);
9
10    for(i = 0; string[i] != '\0'; i++) {
11        sum += string[i];
12    }
13
14    printf("The sum of ASCII values of all characters in the string is %d\n", sum);
15
16    return 0;
17 }
18
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que7.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.27s

Line: 18 Col: 1 Sel: 0 Lines: 18 Length: 328 Insert Done parsing in 0.032 seconds

29°C Partly cloudy

Search

ENG IN

21:45 30-03-2023

```
1  #include <stdio.h>
2
3  void copyArray(int *source, int *destination, int size);
4
5  int main() {
6      int sourceArray[] = {1, 2, 3, 4, 5};
7      int destinationArray[5];
8      int i;
9
10     copyArray(sourceArray, destinationArray, 5);
11
12     printf("Elements of destination array: ");
13     for (i = 0; i < 5; i++) {
14         printf("%d ", *(destinationArray + i));
15     }
16
17     return 0;
18 }
19
20 void copyArray(int *source, int *destination, int size) {
21     int i;
22     for (i = 0; i < size; i++) {
23         *(destination + i) = *(source + i);
24     }
25 }
26
```

Abort Compilation

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que9.exe  
- Output Size: 128.466796875 KiB  
- Compilation Time: 0.23s



```
C:\Users\sunke\OneDrive\Documents\ass3que9.exe
Elements of destination array: 1 2 3 4 5
-----
Process exited after 0.03829 seconds with return value 0
Press any key to continue . . .
```

Shorten compiler paths

- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que9.exe
- Output Size: 128.466796875 KiB
- Compilation Time: 0.22s

C:\Users\sunke\OneDrive\Documents\ass3que10.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 ass3que3.cpp ass3que2.cpp ass3que1.cpp ass4que4.cpp ass3que5.cpp [\*] ass3que6.cpp ass3que7.cpp ass3que8.cpp ass3que9.cpp ass3que10.cpp

```
1 #include <stdio.h>
2 #include <string.h>
3 void reverseString(char *);
4 int main()
5 {
6     char str[100];
7     printf("Enter a string: ");
8     gets(str);
9     printf("Original string: %s\n", str);
10    reverseString(str);
11    printf("Reversed string: %s\n", str);
12    return 0;
13 }
14 void reverseString(char *str)
15 {
16     int length = strlen(str);
17     char *start = str;
18     char *end = str + length - 1;
19     while (start < end) {
20         char temp = *start;
21         *start = *end;
22         *end = temp;
23         start++;
24         end--;
25     }
26 }
27
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que10.exe
- Output Size: 128.6376953125 KiB
- Compilation Time: 0.24s

Line: 19 Col: 1 Sel: 0 Lines: 28 Length: 565 Insert Done parsing in 0.015 seconds

29°C Partly cloudy

Search

ENG IN

21:59 30-03-2023

C:\Users\sunke\OneDrive\Documents\ass3que10.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

TDM-GCC 4.9.2 64-bit Release

Project Classes

C:\Users\sunke\OneDrive\Doc x + v

```
Enter a string: 8
Original string: 8
Reversed string: 8

-----
Process exited after 3.128 seconds with return value 0
Press any key to continue . . .
```

Compiler

Abort Comp

Shorten comp

- Compilation Time: 0.28s

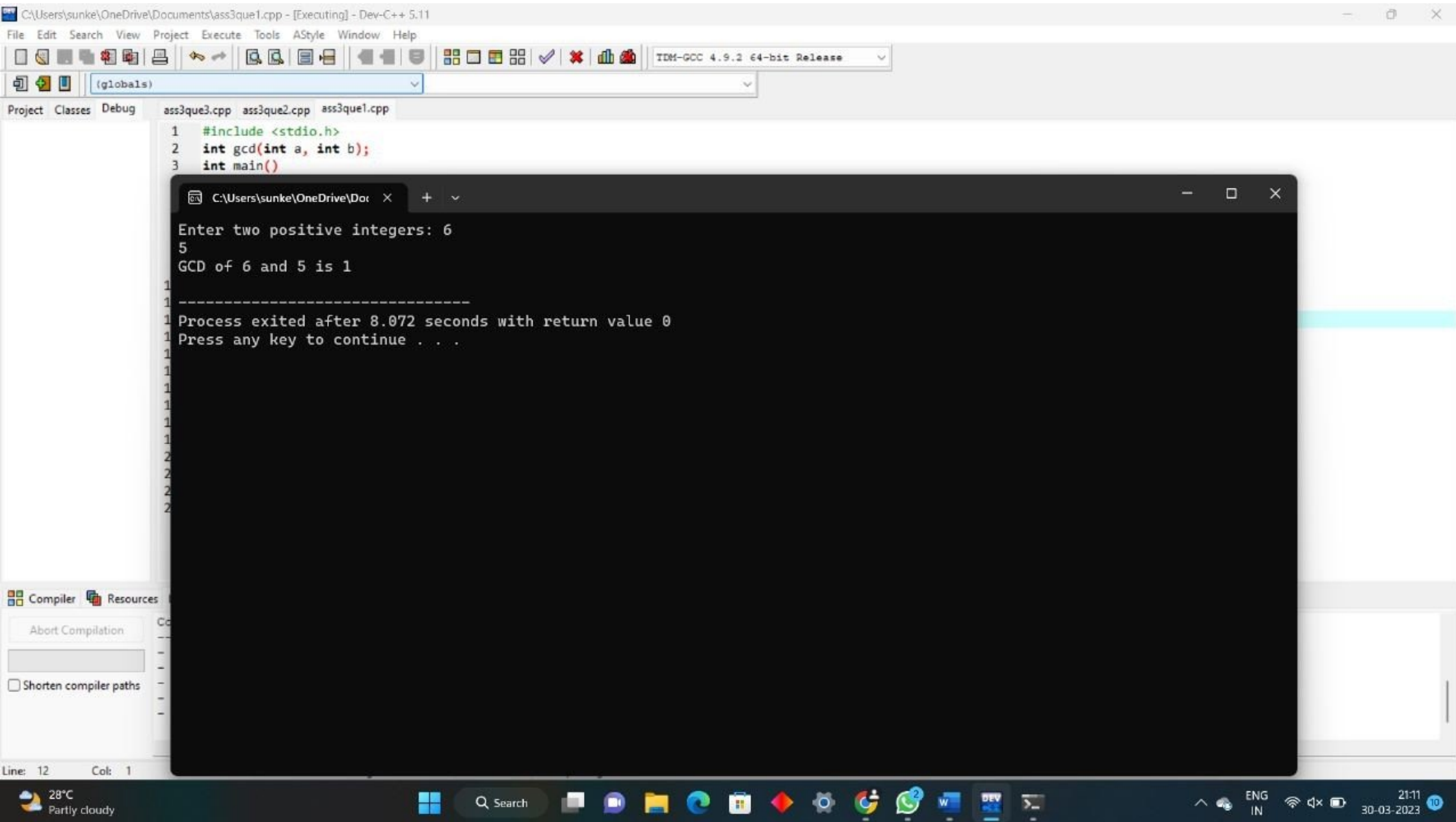


```
File Edit View Compiler Shell Tools Window Help
C:\Users\sunke\OneDrive\Documents\ass3que1.cpp x + -
Enter a string: 5
5

-----
Process exited after 2.533 seconds with return value 0
Press any key to continue . . .
```

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que1.exe  
- Output Size: 128.83203125 KiB  
- Compilation Time: 0.22s

Line: 30 Col: 1 Sel: 0 Lines: 33 Length: 623 Insert Done parsing in 0.015 seconds



### Assignment – 3 (Functions and Pointer)

#### 1. C Program to Display Prime Numbers Between Intervals Using Function

Enter two positive integers: 12

30

Prime numbers between 12 and 30 are: 13 17 19 23 29

#### 2. C Program to Check Whether a Number can be Expressed as Sum of Two Prime Numbers

This program takes a positive integer from the user and checks whether that number can be expressed as the sum of two prime numbers.

If the number can be expressed as the sum of two prime numbers, the output shows the combination of the prime numbers.

Enter a positive integer: 34

34 = 3 + 31

34 = 5 + 29

34 = 11 + 23

34 = 17 + 17

#### 3. C Program to Find GCD of Two Numbers using Recursion

##### **Problem Description**

This C program, using recursion, finds the GCD of the two numbers entered by the user.

#### 4. C Program to Find LCM of Two Numbers

##### **Problem Description**

Write a C program to find the LCM of two numbers.

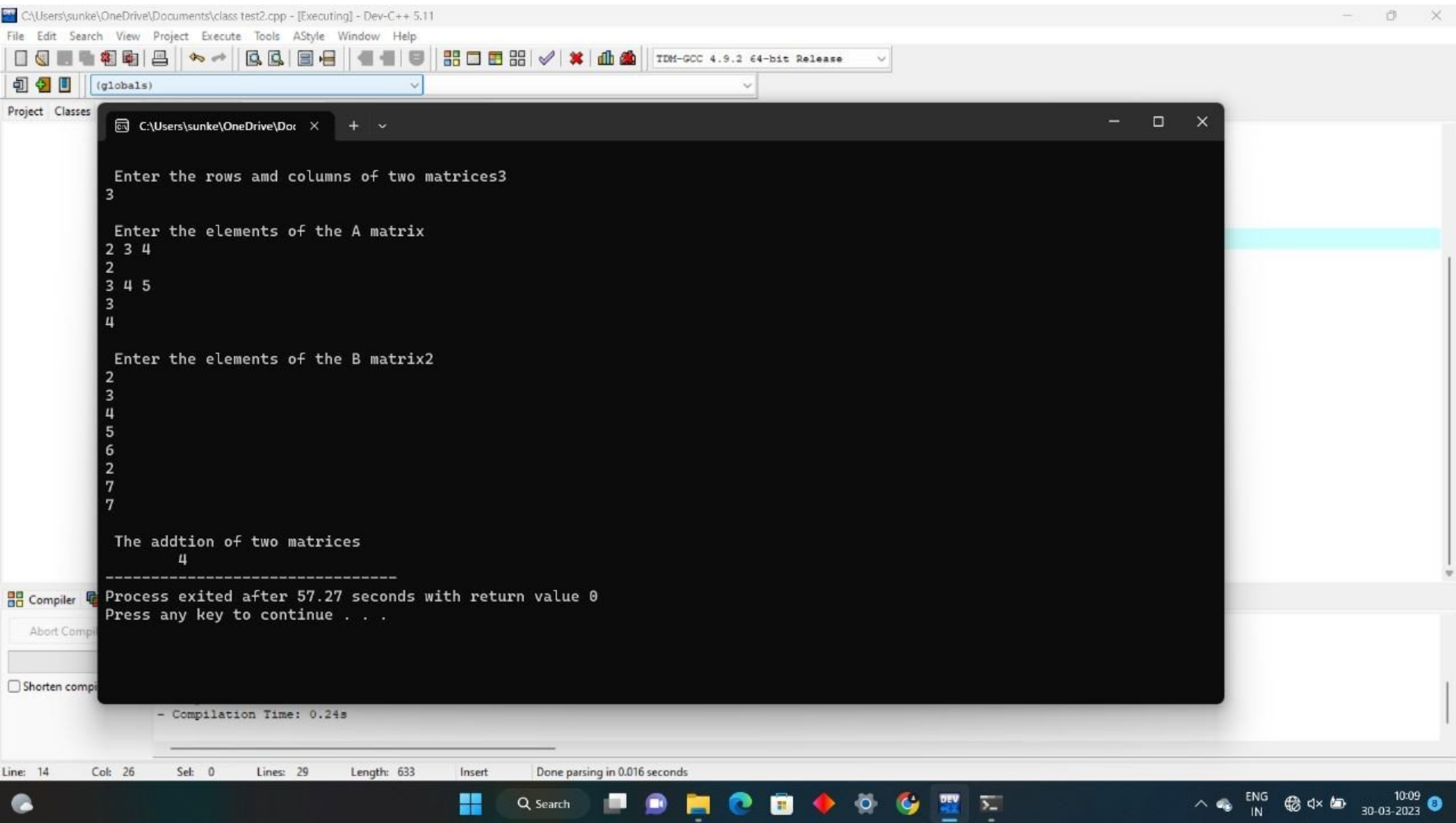
What is LCM (Least Common Multiple)?

LCM stands for Least Common Multiple. It is a method to find the lowest common multiple between the two numbers.

```
C:\Users\sunke\OneDrive\Doc  X + v
Enter a string: 5
Highest frequency character is '
' with frequency 1.
-----
Process exited after 2.874 seconds with return value 0
Press any key to continue . . .
```

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que5.exe  
- Output Size: 128.6015625 KiB  
- Compilation Time: 0.31s

Line: 25 Col: 14 Sel: 0 Lines: 27 Length: 597 Insert Done parsing in 0.032 seconds





C:\Users\sunke\OneDrive\Documents\class test2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug classtest 1.cpp class test2.cpp multiplication of matrices.cpp

```
1  #include<stdio.h>
2  int main()
3  {
4      int a[25][25],b[25][25],c[25][25],i,j,m,n;
5      printf("\n Enter the rows amd columns of two matrices");
6      scanf("%d%d",&m,&n);
7      printf("\n Enter the elements of the A matrix");
8      for(i=0;i<m;i++)
9      for(j=0;j<n;j++)
10     scanf("%d",&a[i][j]);
11     printf("\n Enter the elements of the B matrix");
12     for(i=0;i<m;i++)
13     for(j=0;j<n;j++)
14     scanf("%d",&b[i][j]);
15     for(i=0;i<m;i++)
16     for(j=0;j<n;j++)
17     c[i][j]=a[i][j]+b[i][j];
18     printf("\n The addition of two matrices");
19     for(i=0;i<m;i++)
20     {
21     printf("\n");
22     for(j=0;j<n;j++)
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\class test2.exe
- Output Size: 129.7734375 KiB
- Compilation Time: 0.20s

Line: 14 Col: 26 Sel: 0 Lines: 29 Length: 633 Insert Done parsing in 0.016 seconds

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C:\Users\sunke\OneDrive\Documents\ass3que1.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug ass3que3.cpp ass3que2.cpp ass3que1.cpp

```
1  #include <stdio.h>
2  int gcd(int a, int b);
3  int main()
4  {
5      int num1, num2, result;
6      printf("Enter two positive integers: ");
7      scanf("%d %d", &num1, &num2);
8      result = gcd(num1, num2);
9      printf("GCD of %d and %d is %d\n", num1, num2, result);
10     return 0;
11 }
12 int gcd(int a, int b)
13 {
14     if (b == 0)
15     {
16         return a;
17     }
18     else
19     {
20         return gcd(b, a % b);
21     }
22 }
23
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

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- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\ass3que1.exe
- Output Size: 128.619140625 KiB
- Compilation Time: 0.22s

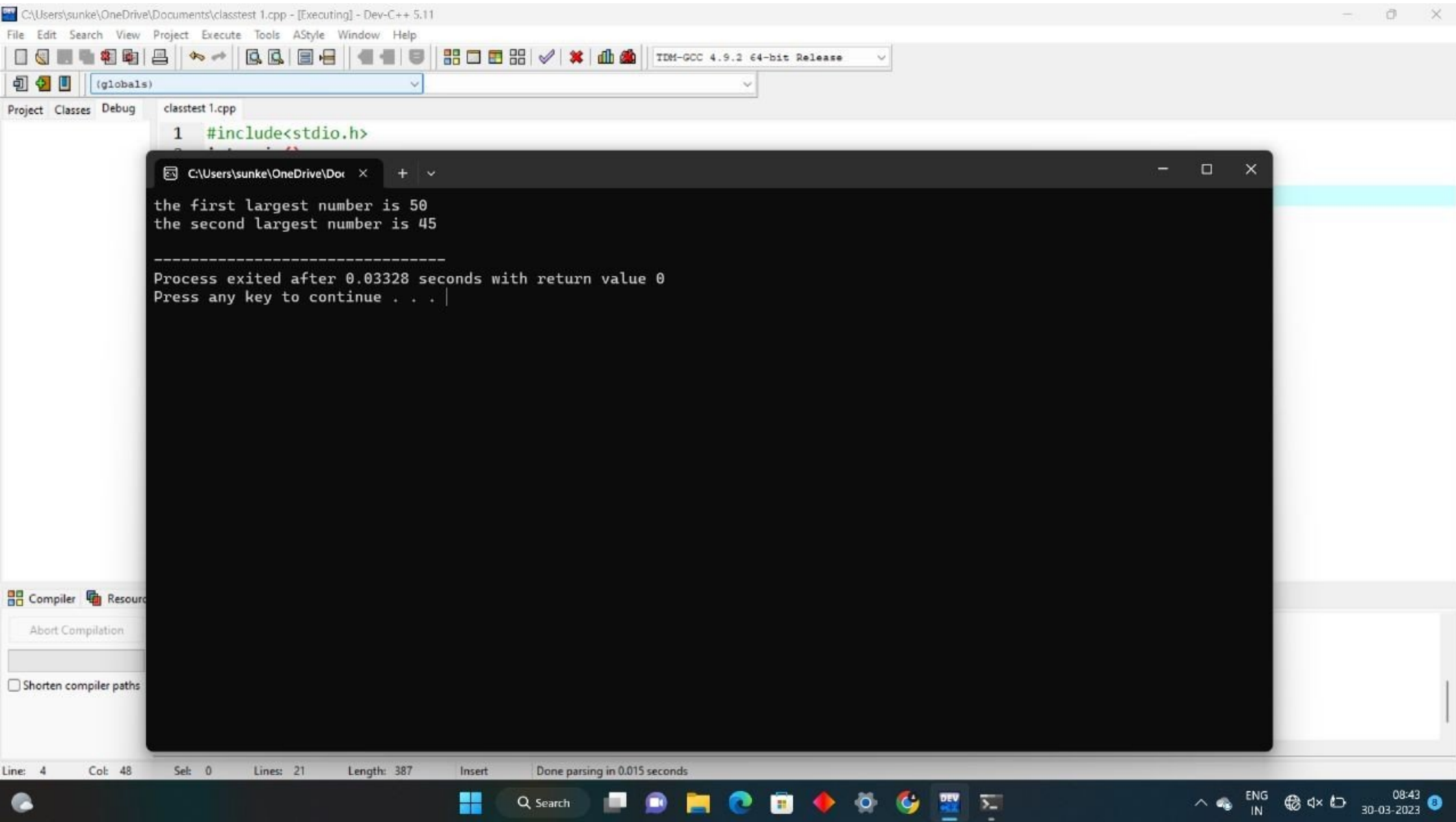
Line: 12 Col: 1 Sel: 0 Lines: 24 Length: 417 Insert Done parsing in 0.015 seconds

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Search

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```
4   int a[2][2],i,j;
5   long determinant;
6   printf("\n Enter the four elements of matrix");
7   for(i=0;i<2;i++)
8   {
9       for(j=0;j<2;j++)
10          scanf("%d",&a[i][j]);
11   }
12   printf("\n The matrix \n");
13   {
14       for(i=0;i<2;i++)
15       {
16           printf("\n");
17           for(j=0;j<2;j++)
18               printf("%d\t",a[i][j]);
19       }
20   }
21   determinant=a[0][0]*a[1][1]-a[1][0]*a[0][1];
22   printf("\n determinant of 2*2 matrix;%ld",determinant);
23   return 0;
24 }
```

Abort Compilation

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\sunke\OneDrive\Documents\class test2.exe  
- Output Size: 129.7734375 KiB  
- Compilation Time: 0.24s

C:\Users\sunke\OneDrive\Documents\classtest 1.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug classtest 1.cpp class test2.cpp multiplication of matrices.cpp

```
1  #include<stdio.h>
2  int main()
3  {
4      int arr[10]={5,10,15,20,25,30,35,40,45,50};
5      int max1=arr[0],max2=arr[0];
6      for(int i=1;i<10;i++)
7      {
8          if(arr[i]>max1)
9          {
10             max2=max1;
11             max1=arr[i];
12         }
13         else if (arr[i]>max2&&arr[i]<max1)
14         {
15             max2=arr[i];
16         }
17     }
18     printf("the first largest number is %d\n",max1);
19     printf("the second largest number is %d\n",max2);
20     return 0;
21 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sunke\OneDrive\Documents\class test2.exe
- Output Size: 129.7734375 KiB
- Compilation Time: 0.20s

Line: 8 Col: 24 Sel: 0 Lines: 21 Length: 387 Insert Done parsing in 0.016 seconds

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