```
E:\>gcc palindrome.c

E:\>a.exe
Enter a number to check if it's a palindrome or not
1221
1221 is a palindrome number.

E:\>a.exe
Enter a number to check if it's a palindrome or not
1001
1001 is a palindrome number.

E:\>a.exe
Enter a number to check if it's a palindrome or not
1331
1331 is a palindrome number.

E:\>a.exe
Enter a number to check if it's a palindrome or not
88
88 is a palindrome number.

E:\>a.exe
Enter a number to check if it's a palindrome or not
99
99 is a palindrome number.

E:\>a.exe
Enter a number to check if it's a palindrome or not
1236
1236 isn't a palindrome number.

E:\>a.exe
Enter a number to check if it's a palindrome or not
1357
1357 isn't a palindrome number.
```

```
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C:\Users\fst>E:

E:\>gcc linearser1.c

E:\>a.exe
How many elements?5
Enter array elements:
12
45
67
89
23

Enter element to search:89
Element found at index 3
E:\>a.exe
How many elements?3
Enter array elements:
12
45
67

Enter element to search:89
Element not found
E:\>
```

```
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C:\Users\fst>E:

E:\>gcc maxele.c

E:\>a.exe

                Welcome to the Program
Enter the number of terms you want to enter in the array:-  6

Enter the elements
23
56
90
98
2
5

The maximum(largest) element is  98
and the index is 3

E:\>_
```

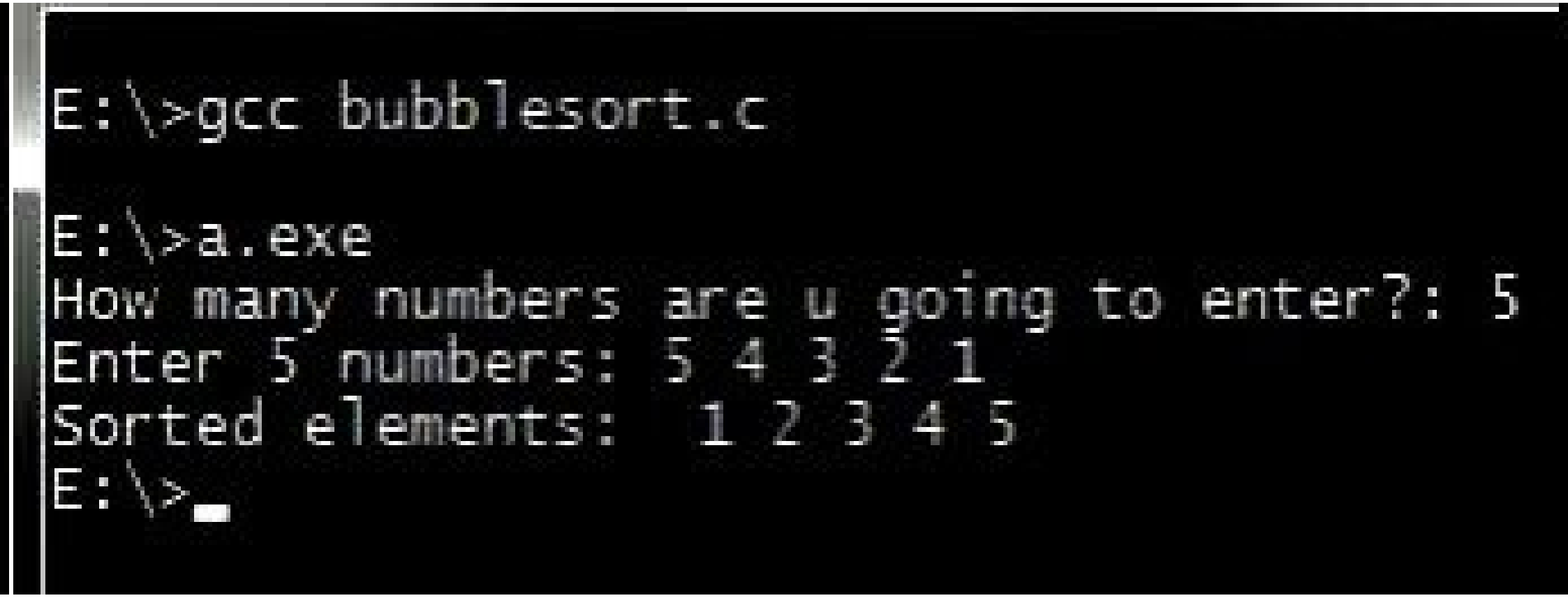
E:\>gcc bubblesort.c
E:\>a.exe
How many numbers are u going to enter?: 5
Enter 5 numbers: 5 4 3 2 1
Sorted elements: 1 2 3 4 5
E:\>

```
E:\>gcc abcc.c

E:\>a.exe
Enter number of students: 2
For student1
Enter name: Seema
Enter marks: 23
For student2
Enter name: Prince
Enter marks: 34

E:\>
```

```
E:\>gcc abcd.c

E:\>a.exe
Enter number of students: 2
For student1
Enter name: Karan
Enter marks: 78
For student2
Enter name: Arjun
Enter marks: 23

E:\>
```

```
E:\>gcc read.c

E:\>a.exe

Name: Seema
Marks=23

Name: Prince
Marks=34

Name: Karan
Marks=78

Name: Arjun
Marks=23

E:\>_
```

Participants	Joined
Presentation	3/16/2021 11:00
Sheetal Mahajan	3/16/2021 11:00
Abhim Sandal	3/16/2021 11:00
Abhimanyu Seekay	3/16/2021 11:00
Abhinandan Seekay	3/16/2021 11:00
Adfar Bilal	3/16/2021 11:00
Aditya Bhardwaj	3/16/2021 11:00
Ajay Kumar	3/16/2021 11:00
Akash Kerni	3/16/2021 11:00
Ambrish Jamwal	3/16/2021 11:00
Amol Sharma	3/16/2021 11:00
Anurag Sharma	3/16/2021 11:00
Aryan Dogra	3/16/2021 11:00
Atul Pandit	3/16/2021 11:00

```
E:\> gcc structure7.c

E:\>a.exe

How many students:2

Name of student:Sohan

Enter roll no.:1

Marks in Graphics:90

Marks in Physics:89

Marks in Maths:67

Marks in Computer Programming:78

Total Marks=324

Name of student:Dimple

Enter roll no.:2

Marks in Graphics:89

Marks in Physics:90

Marks in Maths:67

Marks in Computer Programming:56

Total Marks=302

E:\>
```

```
E:\>gcc union8.c

E:\>a.exe
Union record1 values example
  Name       :
  Subject    :
  Percentage : 86.500000

Union record2 values example
  Name       : Mani
  Subject    : Physics
  Percentage : 99.500000

E:\>
```

```
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C:\Users\fst>E:

E:\>gcc structure3.c

E:\>a.exe
Enter Name:
Seema
Enter Rollno.:
2
Enter Section:
A
Enter Subject:
Maths
Enter Assignment1 Marks:
23
Enter Assignment2 Marks:
34
Internal Marks:57

E:\>
```

```
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C:\Users\fst>E:

E:\>gcc 2darray1.c

E:\>a.exe

ENTER VALUE AT marks[0][0] : 12

ENTER VALUE AT marks[0][1] : 23

ENTER VALUE AT marks[0][2] : 45

ENTER VALUE AT marks[1][0] : 56

ENTER VALUE AT marks[1][1] : 67

ENTER VALUE AT marks[1][2] : 89

ENTER VALUE AT marks[2][0] : 12

ENTER VALUE AT marks[2][1] : 45

ENTER VALUE AT marks[2][2] : 67

2D Array Values are:


ROW 0 :  12 23 45
--------------------------
ROW 1 :  56 67 89
--------------------------
ROW 2 :  12 45 67
--------------------------
E:\>_
```
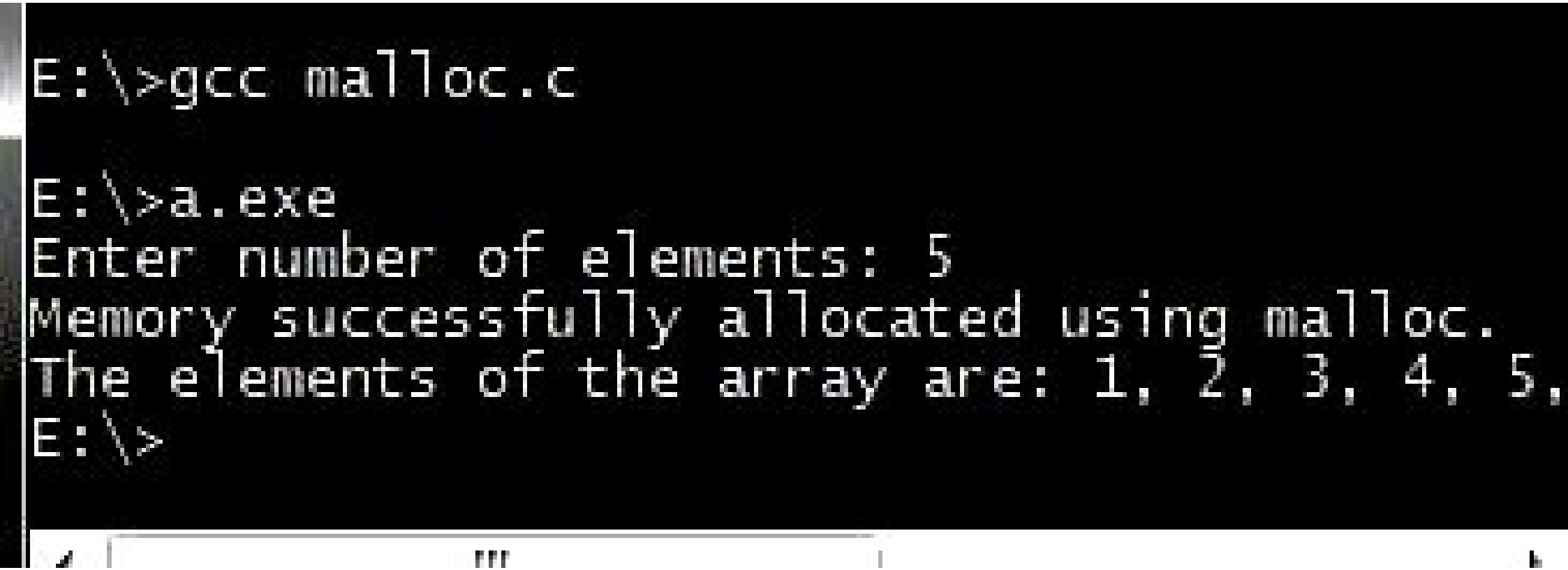
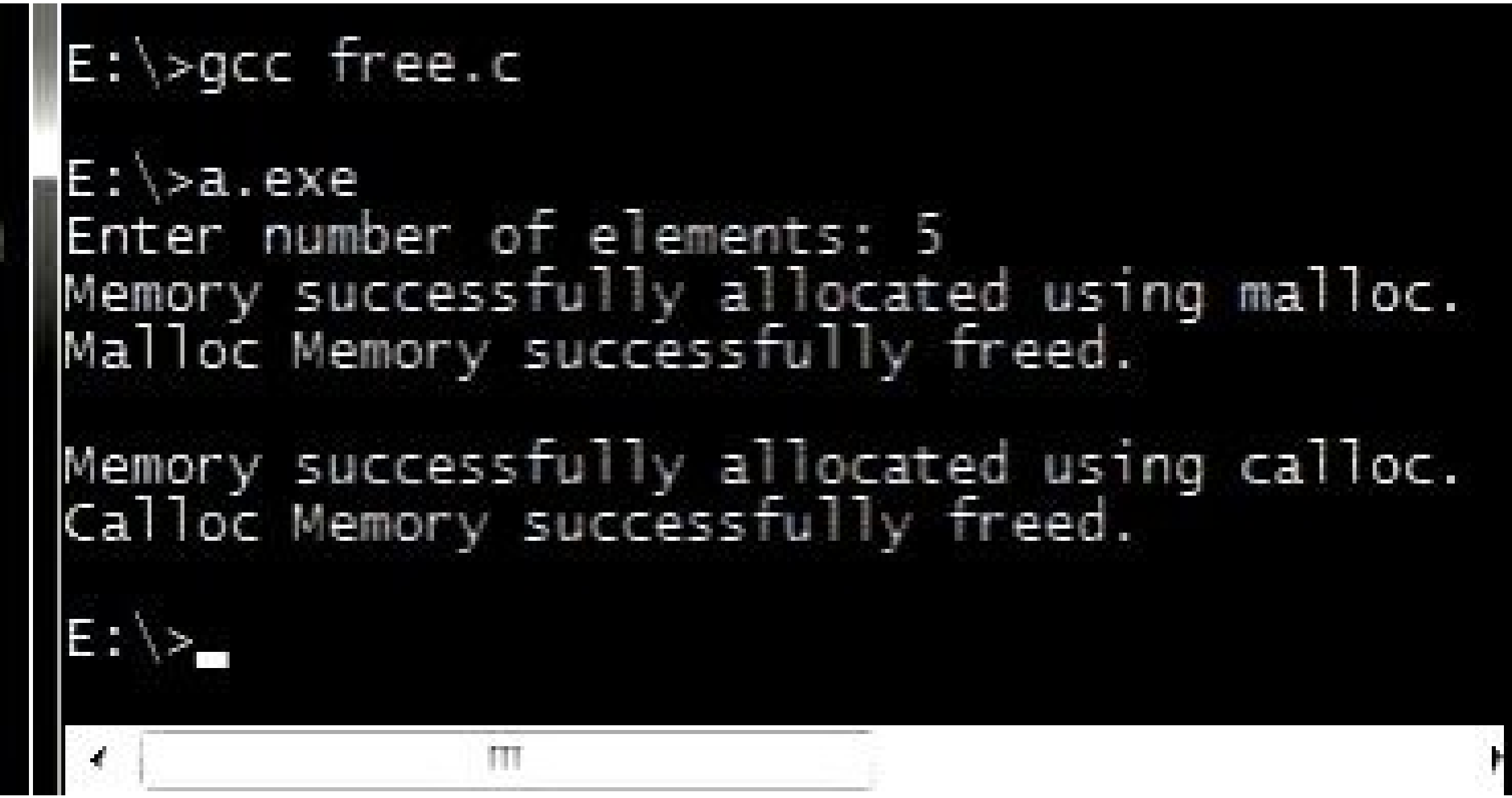

```
C:\Users\fst>E:

E:\>gcc 2darraymul.c

E:\>a.exe
Enter the number of rows and columns of first matrix
3 3
Enter the elements of first matrix
1 2 0
0 1 1
2 0 1
Enter the number of rows and columns of second matrix
3 3
Enter the elements of second matrix
1 1 2
2 1 1
1 2 1
Product of entered matrices:-
5       3       4
3       3       2
3       4       5

E:\>
```

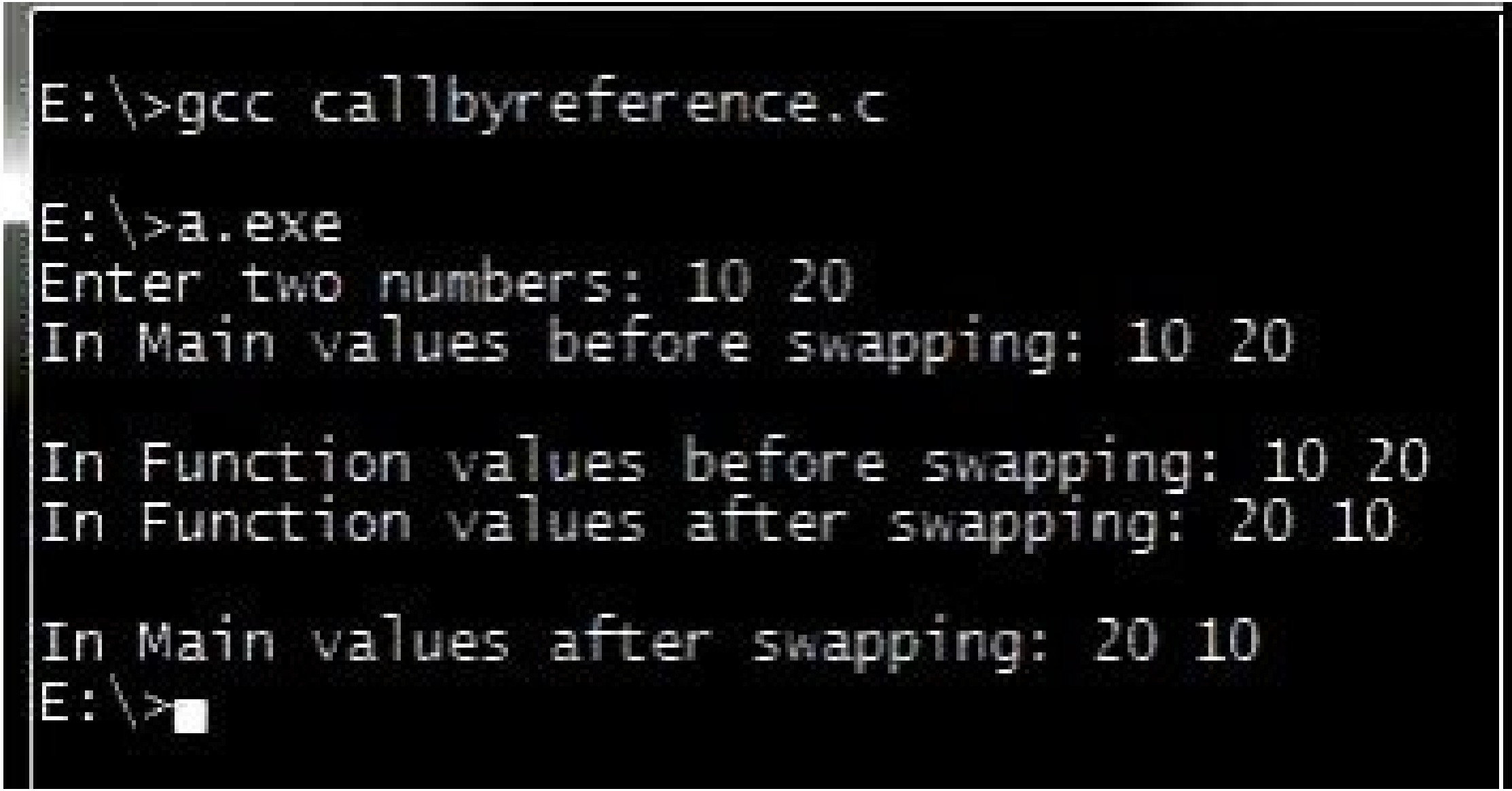
```
E:\>a.exe
Enter number of elements: 5
Memory successfully allocated using calloc.
The elements of the array are: 1, 2, 3, 4, 5,

Enter the new size of the array: 10
Memory successfully re-allocated using realloc.
The elements of the array are: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,
```


E:\>gcc malloc.c
E:\>a.exe
Enter number of elements: 5
Memory successfully allocated using malloc.
The elements of the array are: 1, 2, 3, 4, 5,
E:\>


E:\>gcc free.c
E:\>a.exe
Enter number of elements: 5
Memory successfully allocated using malloc.
Malloc Memory successfully freed.
Memory successfully allocated using calloc.
Calloc Memory successfully freed.
E:\>

```
E:\>gcc calloc.c

E:\>a.exe
Enter number of elements: 5
Memory successfully allocated using calloc.
The elements of the array are: 1. 2. 3. 4. 5.
E:\>
```

```
E:\>gcc callbyvalue.c

E:\>a.exe
Enter two numbers: 10 20
In Main values before swapping: 10 20

In Function values before swapping: 10 20
In Function values after swapping: 20 10

In Main values after swapping: 10 20
E:\>
```


E:\>gcc callbyreference.c
E:\>a.exe
Enter two numbers: 10 20
In Main values before swapping: 10 20
In Function values before swapping: 10 20
In Function values after swapping: 20 10
In Main values after swapping: 20 10
E:\>

```
E:\>gcc factrec.c

E:\>a.exe
Enter a number to find it's Factorial: 5
The Factorial of 5 is 120.

E:\>a.exe
Enter a number to find it's Factorial: 6
The Factorial of 6 is 720.

E:\>a.exe
Enter a number to find it's Factorial: 4
The Factorial of 4 is 24.

E:\>
```

```
E:\>gcc fibrec.c

E:\>a.exe
Enter terms: 8
0 1 1 2 3 5 8 13
E:\>a.exe
Enter terms: 10
0 1 1 2 3 5 8 13 21 34
E:\>
```

```
E:\>a.exe
######   CALCULATOR      ######
Please select which operation you want to perform
Enter 1: for addition
 2: for subtarction
 3: for multiplication
 4: for division
3

Enter the value of x:   2

Enter the value of y:   3
multiplication of 2.00 and 3.00 is 6.00
E:\>a.exe
######   CALCULATOR      ######
Please select which operation you want to perform
Enter 1: for addition
 2: for subtarction
 3: for multiplication
 4: for division
4

Enter the value of x:   4

Enter the value of y:   2
division of 4.00 and 2.00 is 2.00
```

```
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C:\Users\fst>E:

E:\>gcc calci.c

E:\>a.exe
######   CALCULATOR     ######
Please select which operation you want to perform
Enter 1: for addition
 2: for subtarction
 3: for multiplication
 4: for division
1

Enter the value of x:   2

Enter the value of y:   3
addition of 2.00 and 3.00 is 5.00
E:\>a.exe
######   CALCULATOR     ######
Please select which operation you want to perform
Enter 1: for addition
 2: for subtarction
 3: for multiplication
 4: for division
2

Enter the value of x:   6

Enter the value of y:   4
subtraction of 6.00 and 4.00 is 2.00
```

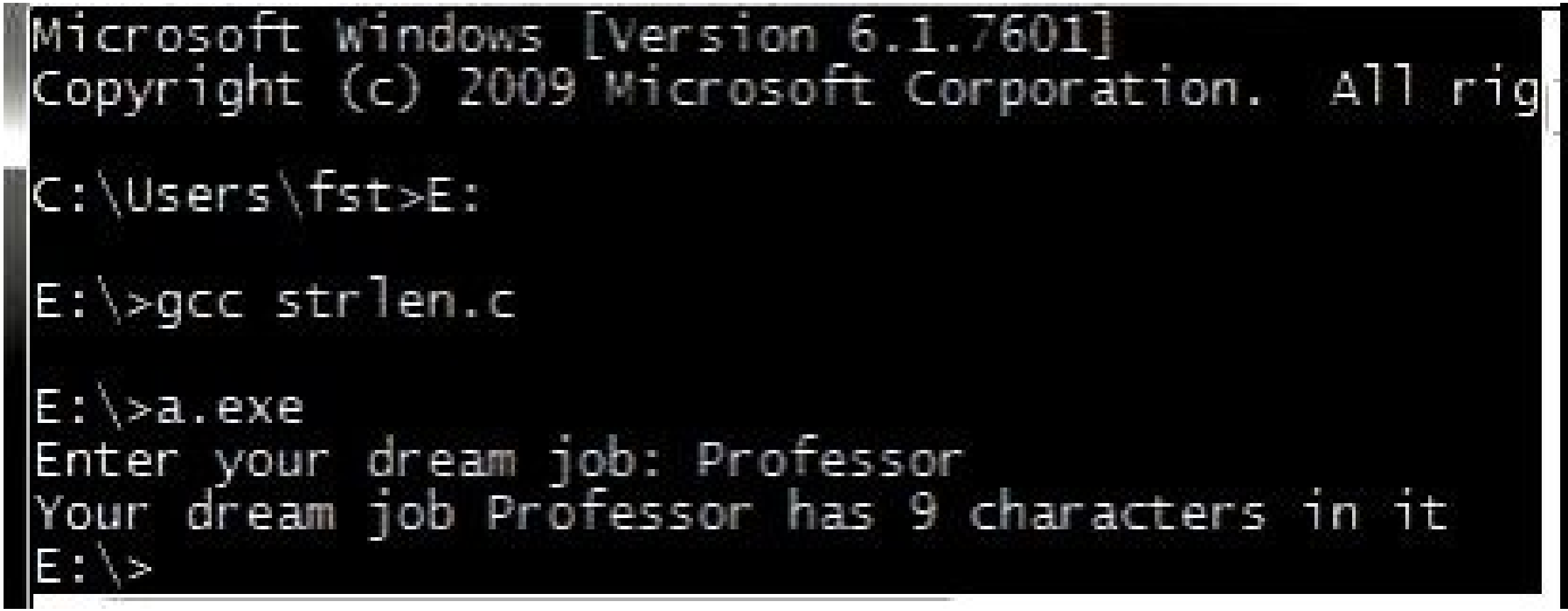
Microsoft Windows [Version 6.1.7601]
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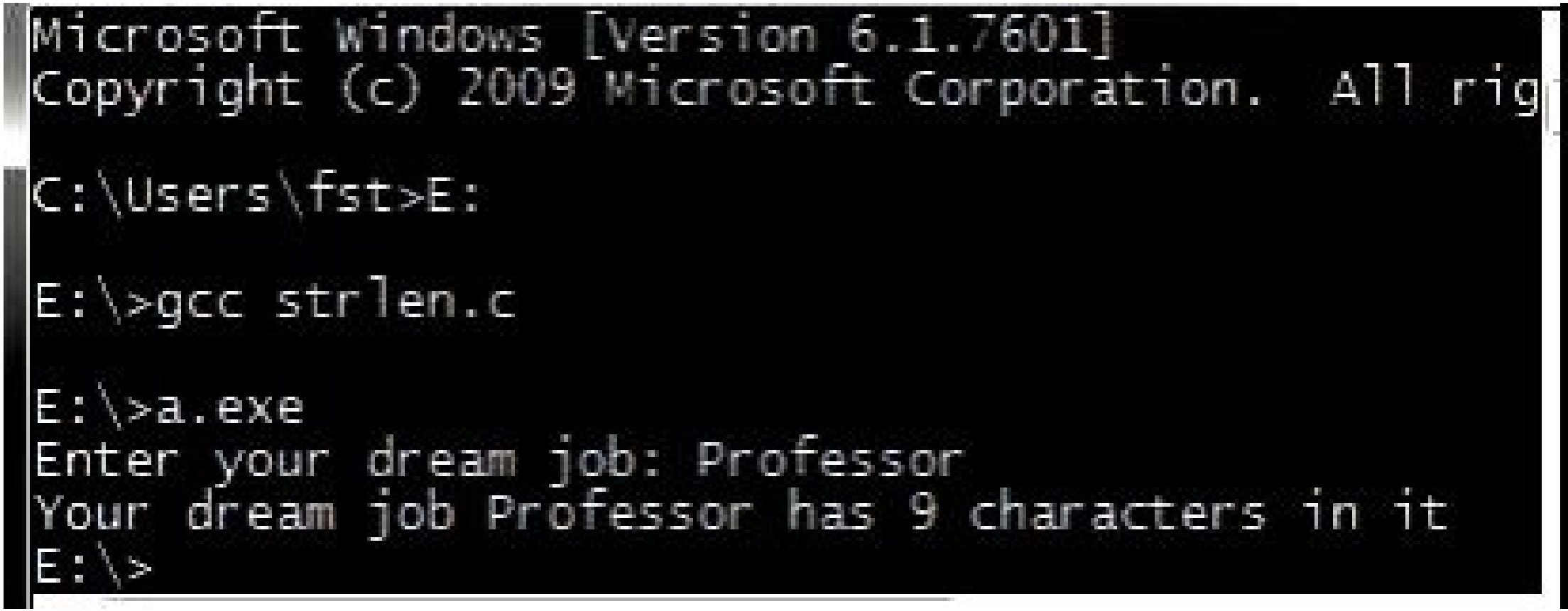
C:\Users\fst>E:
E:\>gcc strlen.c
E:\>a.exe
Enter your dream job: Professor
Your dream job Professor has 9 characters in it
E:\>


Microsoft Windows [Version 6.1.7601]
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C:\Users\fst>E:
E:\>gcc strlen.c
E:\>a.exe
Enter your dream job: Professor
Your dream job Professor has 9 characters in it
E:\>


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C:\Users\fst>E:
E:\>gcc strcpy.c
E:\>a.exe
C programming
E:\>

```
E:\>a.exe

Enter first string: Books are best

Enter second string: Books are best

Both strings are equal
Value of result: 0
E:\>a.exe

Enter first string: Books are best

Enter second string: Practical knowledge is good

Both strings are not equal
Value of result: 1
E:\>
```

```
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C:\Users\fst>E:

E:\>gcc strcat.c

E:\>a.exe
Enter first string: Highest
Enter second string: Order

Concatenating first and second string ..

First string: HighestOrder
Second string: Order
E:\>_
```

```
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C:\Users\fst>E:

E:\>gcc armstrong.c

E:\>a.exe
Enter an integer: 153
153 is an Armstrong number.
E:\>a.exe
Enter an integer: 370
370 is an Armstrong number.
E:\>a.exe
Enter an integer: 1634
1634 is an Armstrong number.
E:\>a.exe
Enter an integer: 9474
9474 is an Armstrong number.
E:\>a.exe
Enter an integer: 54748
54748 is an Armstrong number.
E:\>a.exe
Enter an integer: 7
7 is an Armstrong number.
E:\>a.exe
Enter an integer: 420
420 is not an Armstrong number.
E:\>a.exe
Enter an integer: 12
12 is not an Armstrong number.
E:\>
```

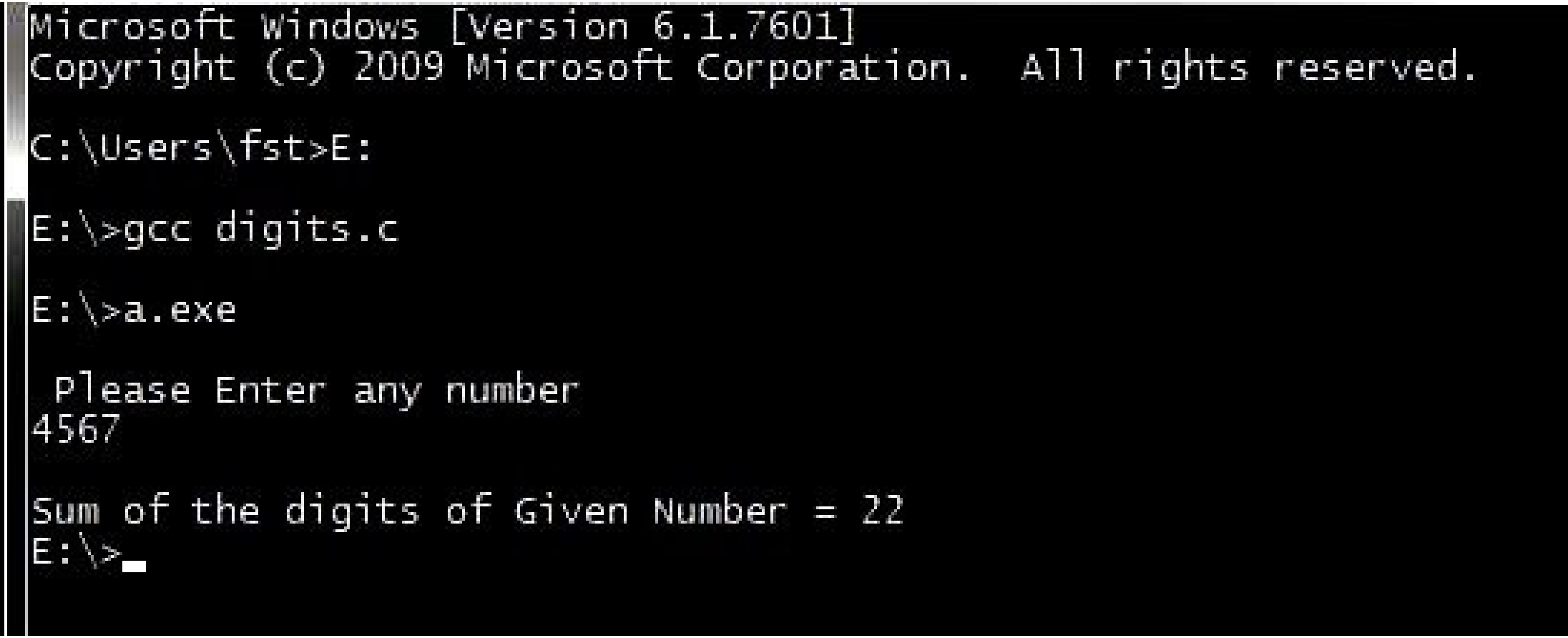
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Users\fst>E:
E:\>gcc digits.c
E:\>a.exe
Please Enter any number
4567
Sum of the digits of Given Number = 22
E:\>

```
Enter the number:3

This number is Prime
Process returned 0 (0x0)   execution time : 61.212 s
Press any key to continue.
```

```
Enter the number:4

This number is Not Prime
Process returned 0 (0x0)   execution time : 2.543 s
Press any key to continue.
```

```
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C:\Users\fst>E:

E:\>gcc max.c

E:\>a.exe
How many numbers: 5

Enter number 1: 23

Enter number 2: 67

Enter number 3: 89

Enter number 4: 34

Enter number 5: 2


The Largest Number is 89
E:\>
```
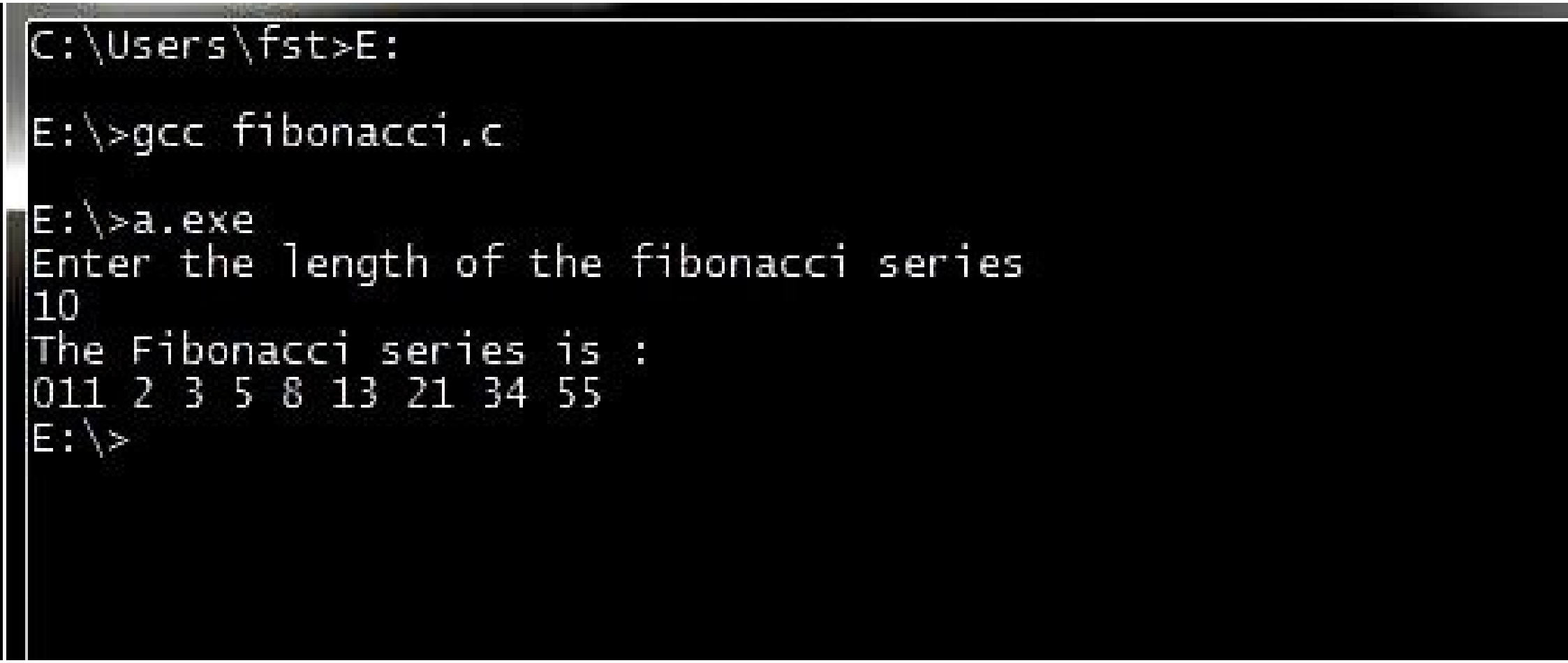
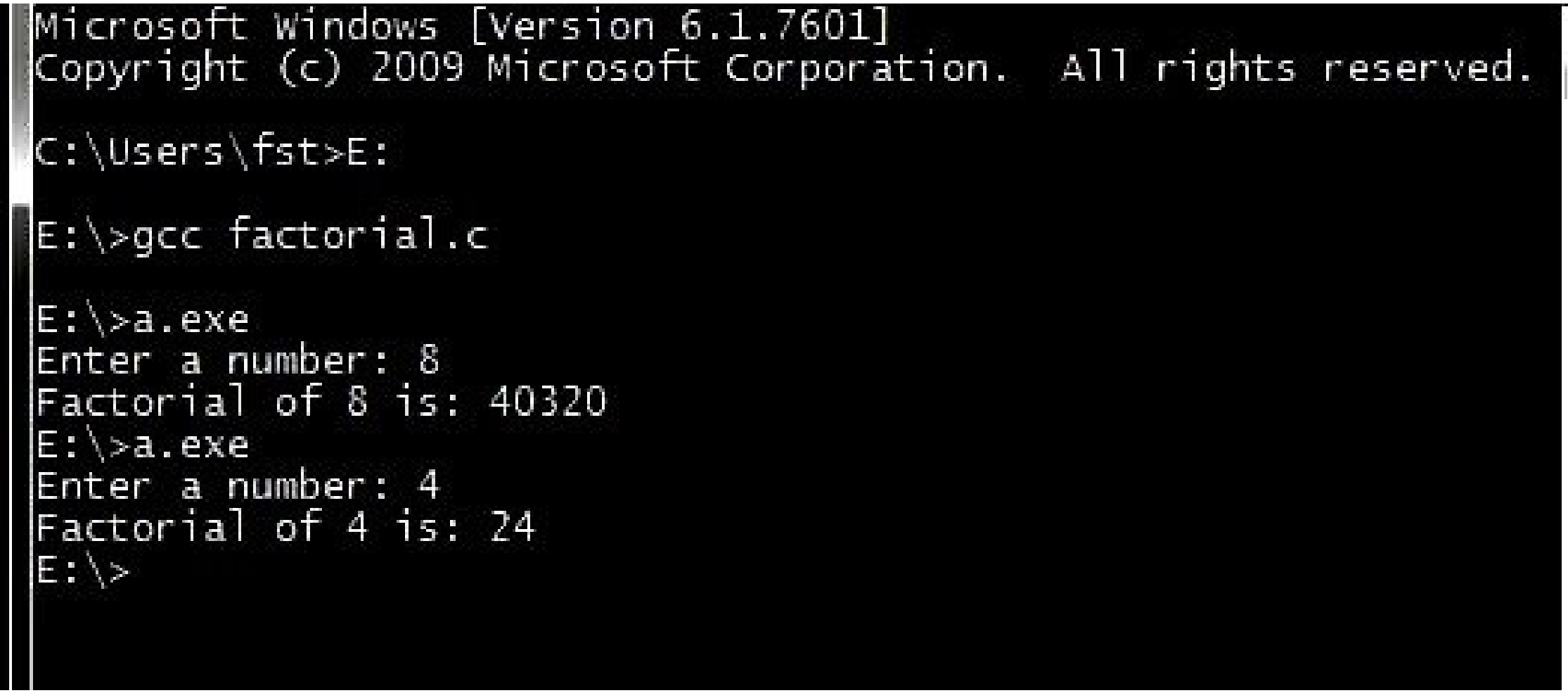


C:\Users\fst>E:
E:\>gcc fibonacci.c
E:\>a.exe
Enter the length of the fibonacci series
10
The Fibonacci series is :
011 2 3 5 8 13 21 34 55
E:\>


Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Users\fst>E:
E:\>gcc factorial.c
E:\>a.exe
Enter a number: 8
Factorial of 8 is: 40320
E:\>a.exe
Enter a number: 4
Factorial of 4 is: 24
E:\>

```
How many elements?5
Enter array elements:4
5
6
7
8
nEnter element to search:7
Element found at index 3
Process returned 0 (0x0)   execution time : 17.747 s
Press any key to continue.
```