C:\Users\mathi\Documents\U

```
best
 average
 worst
--------------------------------
Process exited after 0.04159 seconds with return value 0
Press any key to continue . . .
```

C:\Users\mathi\Documents\Untitled2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9

(globals)

Project Classes Debug

main() : int

recursive and non recursive factorial.cpp | Untitled2.cpp

```
1  #include<stdio.h>
2  int main()
3  {
4      int n=1,i,j,k;
5      if(n=1){
6          printf("best");
7      }
8      for(i=1;i<=n;i++){
9          printf("\n average");
10     }
11     for(j=1;j<=n;j++){
12         for(k=j;k<=n;k++){
13             printf("\n worst");
14         }
15     }
16     return 0;
17 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mathi\Documents\Untitled2.exe
- Output Size: 127.931640625 KiB
- Compilation Time: 0.23s
```

Line: 9 Col: 30 Sel: 0 Lines: 17 Length: 226 Insert Done parsing in 0.032 seconds

```
Non-Recursive Factorial of 5 is: 120
Recursive Factorial of 5 is: 120

--------------------------------
Process exited after 0.05628 seconds with return value 0
Press any key to continue . . .
```

C:\Users\mathi\Documents\reverse number using recursion.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug

main() : int
nonRecursiveFactor
recursiveFactorial(

reverse number using recursion.cpp

```cpp
#include <stdio.h>
int nonRecursiveFactorial(int n)
{
    int result = 1;
    for (int i = 1; i <= n; i++)
    {
        result *= i;
    }
    return result;
}

int recursiveFactorial(int n)
{
    if (n == 0)
    {
        return 1;
    } else
    {
        return n * recursiveFactorial(n - 1);
    }
}

int main()
{
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mathi\Documents\reverse number using recursi
- Output Size: 129.05078125 KiB
- Compilation Time: 0.30s
```

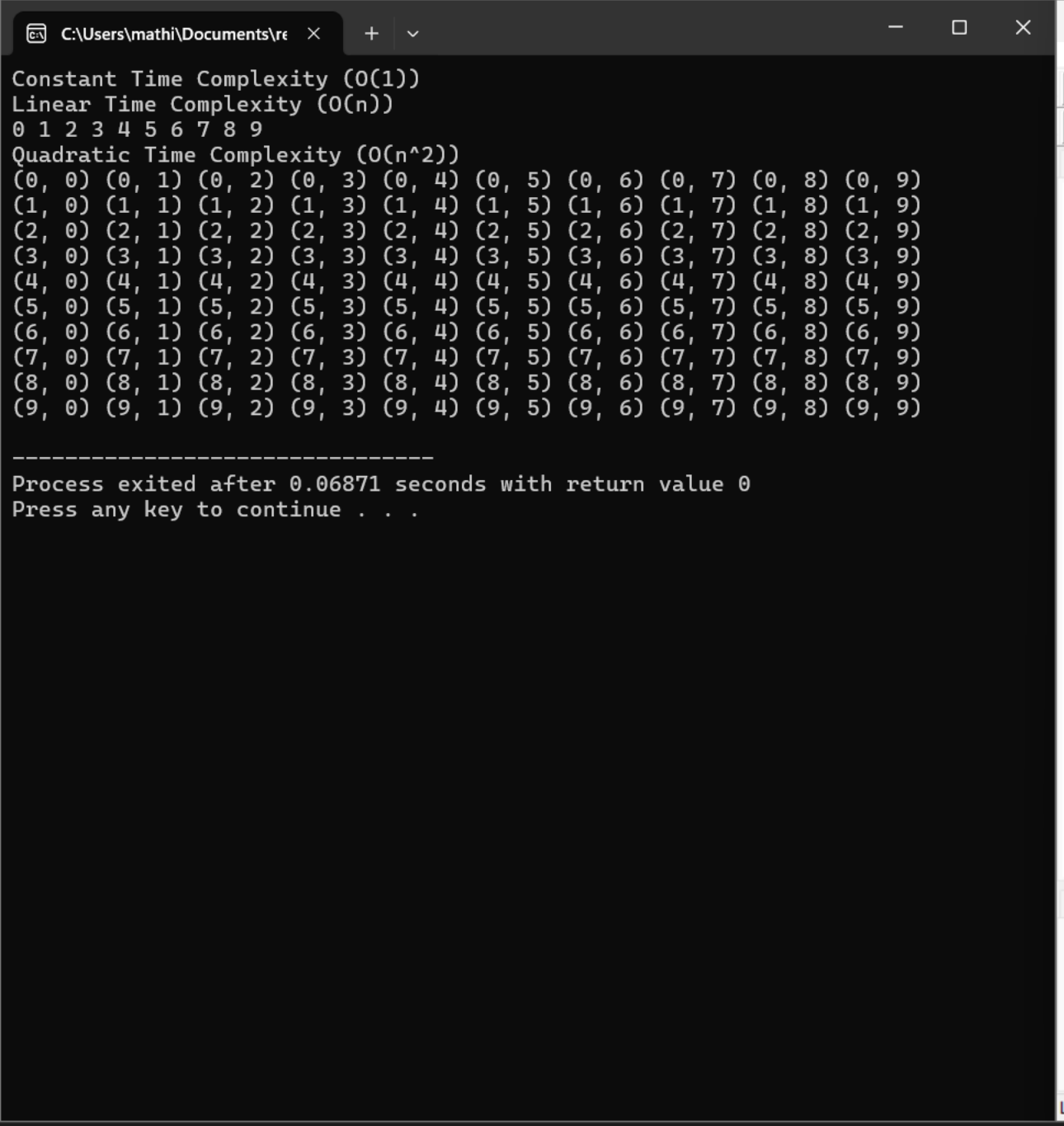
Line: 10 Col: 2 Sel: 0 Lines: 33 Length: 652 Insert Done parsing in 0.047 seconds

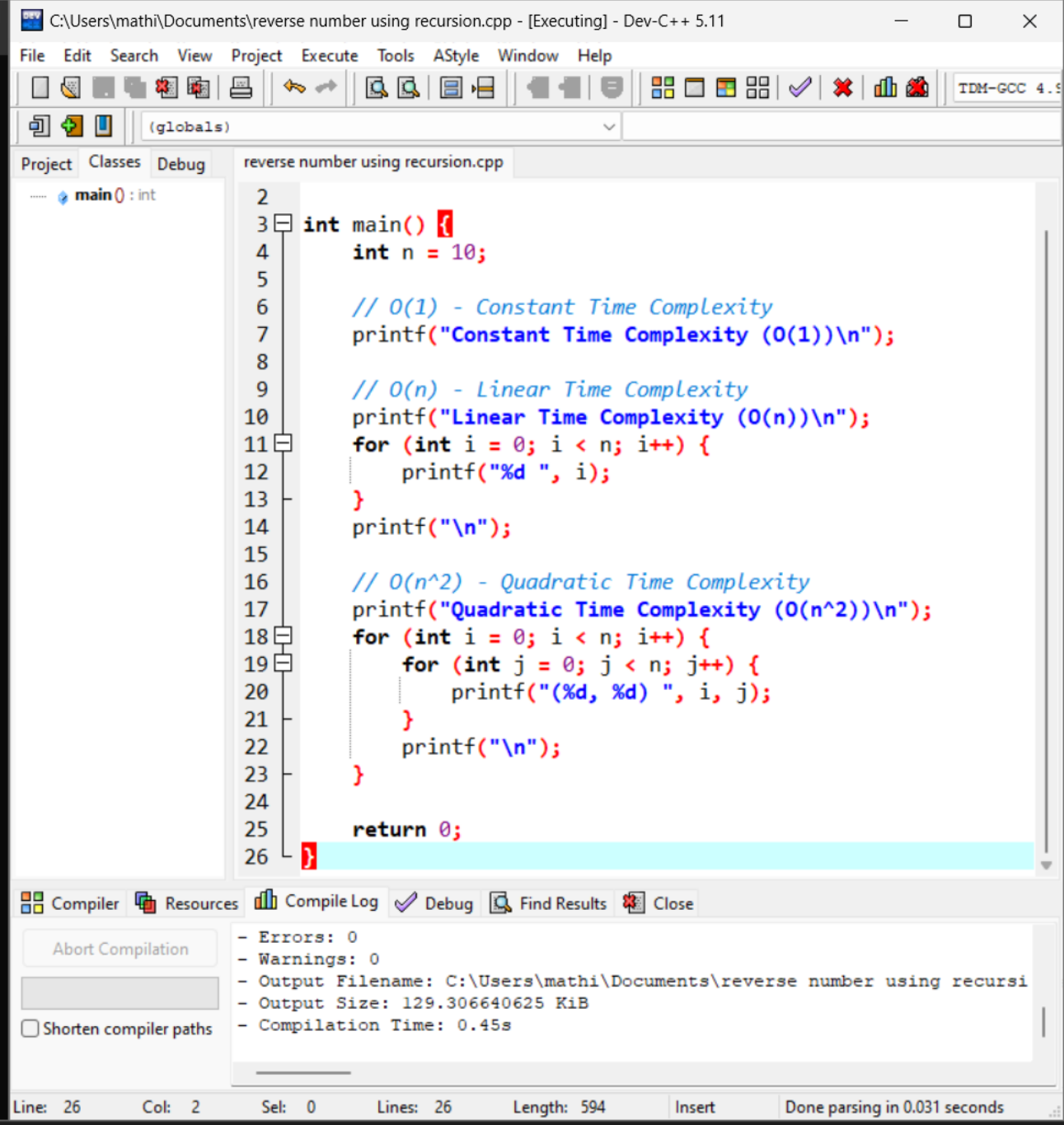
35°C Partly sunny

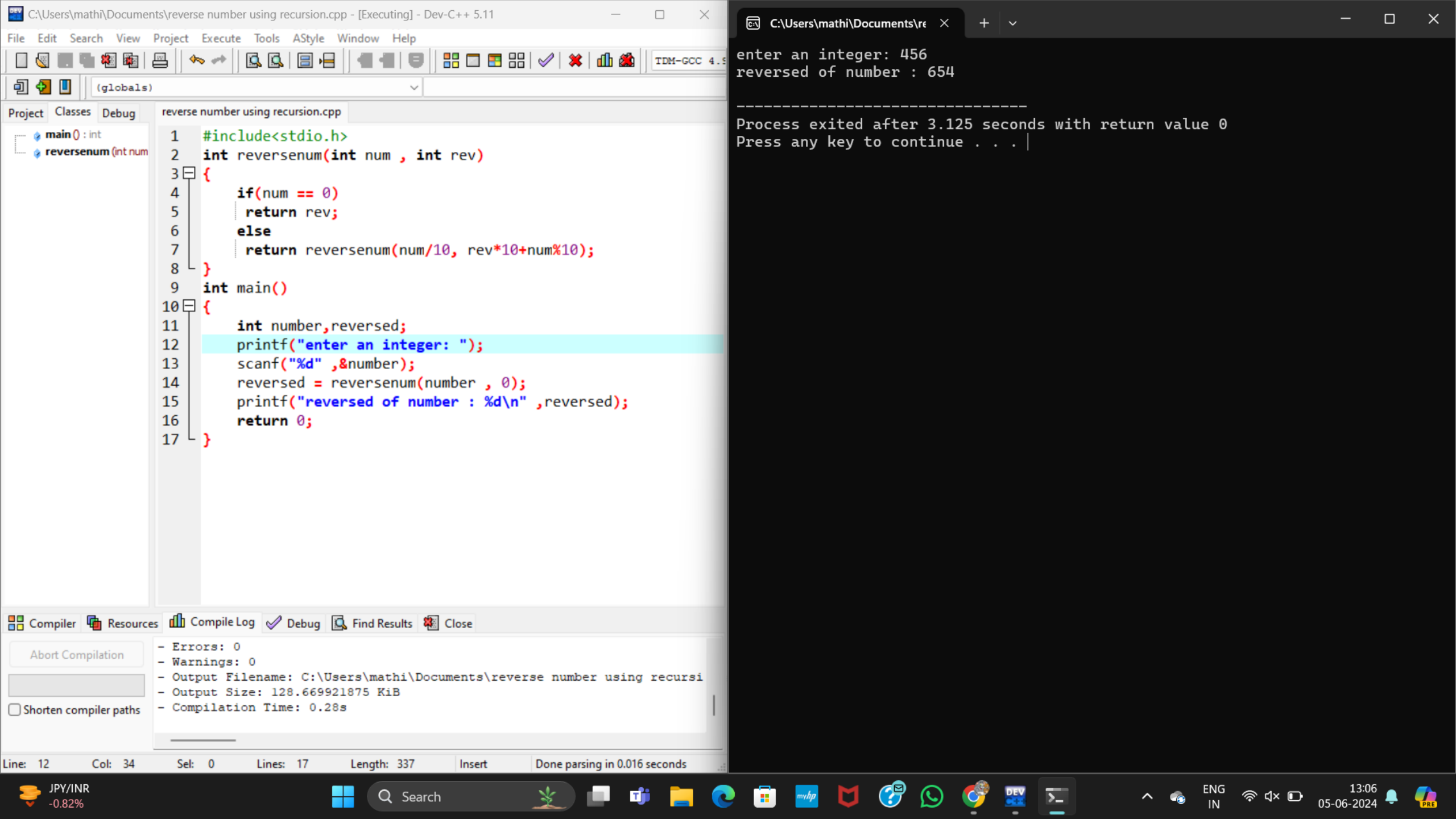
Search

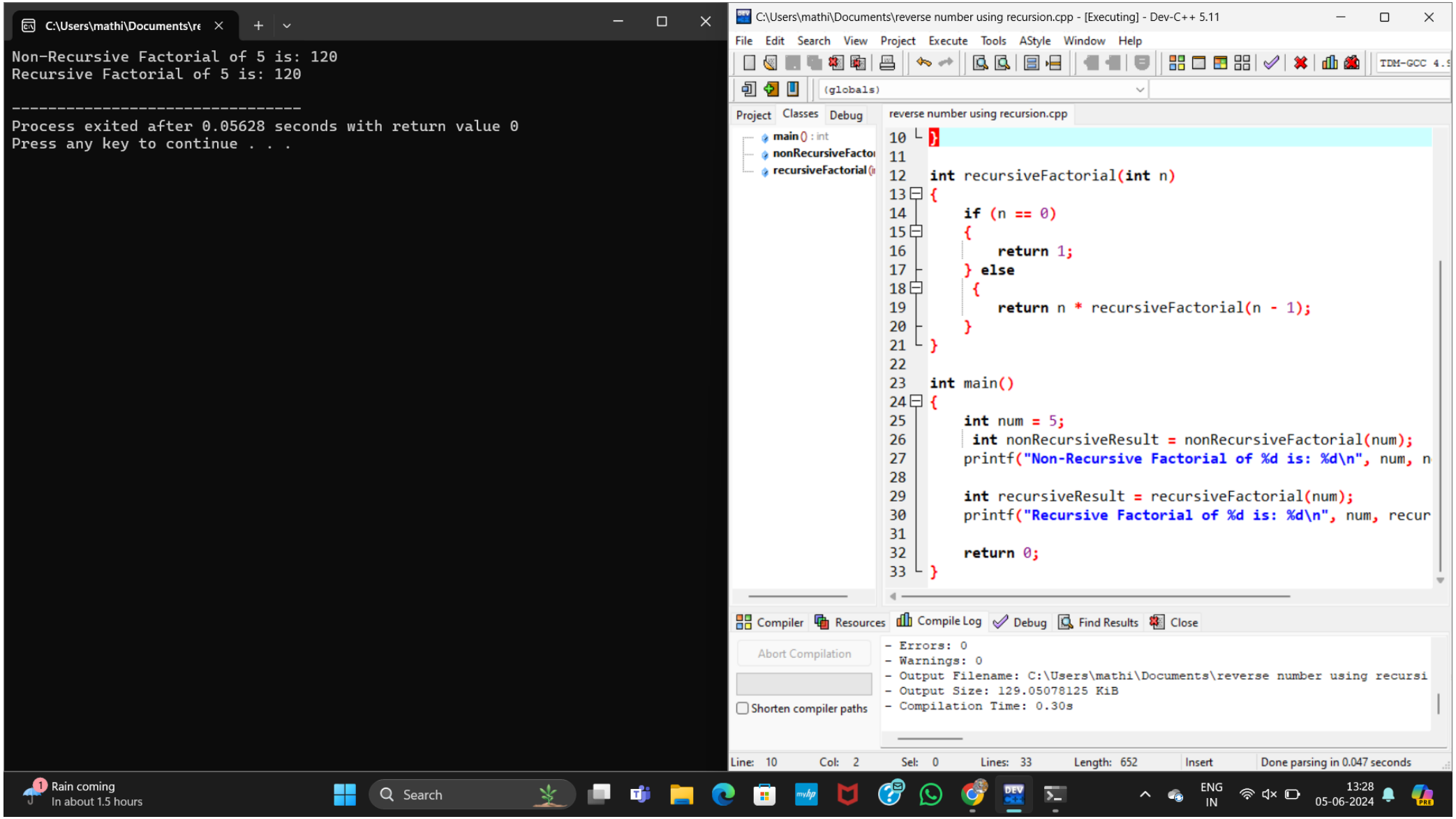
ENG IN

13:28 05-06-2024






C:\Users\mathi\Documents\reverse number using recursion.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug
main () : int
reversenum (int num
reverse number using recursion.cpp
#include<stdio.h>
int reversenum(int num , int rev)
{
if(num == 0)
return rev;
else
return reversenum(num/10, rev*10+num%10);
}
int main()
{
int number,reversed;
printf("enter an integer: ");
scanf("%d" ,&number);
reversed = reversenum(number , 0);
printf("reversed of number : %d\n" ,reversed);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mathi\Documents\reverse number using recursi
- Output Size: 128.669921875 KiB
- Compilation Time: 0.28s
Line: 12 Col: 34 Sel: 0 Lines: 17 Length: 337 Insert Done parsing in 0.016 seconds
C:\Users\mathi\Documents\re
enter an integer: 456
reversed of number : 654
Process exited after 3.125 seconds with return value 0
Press any key to continue . . .
JPY/INR
-0.82%
Search
ENG
IN
13:06
05-06-2024


C:\Users\mathi\Documents\re
Non-Recursive Factorial of 5 is: 120
Recursive Factorial of 5 is: 120
Process exited after 0.05628 seconds with return value 0
Press any key to continue . . .
C:\Users\mathi\Documents\reverse number using recursion.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug
main() : int
nonRecursiveFactor
recursiveFactorial
reverse number using recursion.cpp
10 }
11
12 int recursiveFactorial(int n)
13 {
14 if (n == 0)
15 {
16 return 1;
17 } else
18 {
19 return n * recursiveFactorial(n - 1);
20 }
21 }
22
23 int main()
24 {
25 int num = 5;
26 int nonRecursiveResult = nonRecursiveFactorial(num);
27 printf("Non-Recursive Factorial of %d is: %d\n", num, n
28
29 int recursiveResult = recursiveFactorial(num);
30 printf("Recursive Factorial of %d is: %d\n", num, recur
31
32 return 0;
33 }
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mathi\Documents\reverse number using recursi
- Output Size: 129.05078125 KiB
- Compilation Time: 0.30s
Line: 10 Col: 2 Sel: 0 Lines: 33 Length: 652 Insert Done parsing in 0.047 seconds
Rain coming
In about 1.5 hours
Search
ENG
IN
13:28
05-06-2024