21 MARCH • SATURDAY OPP

Day-2

Reasoning & Aptitude.

1) Profit = 25%.

$25 = \{(SP - 400)/400\} \times 100$

$= 150 = sp - 400$

$sp = 550.$

Discount = 20%.

$550 = MP - \frac{MP \times 20}{100}$

$550 = MP - 0.2MP$

$550 = 0.8MP$

$MP = \frac{550}{0.8} = 687.5$

3) Total rice = 100 kg = 200₹

1 kg = 2₹

22 SUNDAY 60 kg rice at 20% profit

60 kg = 120. ⇒ $\frac{120 \times 20}{100} = 24$

S.P. of 60 kg rice = 120 + 24 = 144

2020

& 40 kg at 10% loss

40 kg = 80 ₹.

$80 \times \frac{10}{100} = 8$

40 kg sell at = 80 − 8 = 72.

Total SP = 144 + 72
= 216

profit = 16 ₹

$\frac{16 \times 100}{200}$ = 8% profit with no loss..

4) SP = 1200

Now 20% of SP

$1200 \times \frac{20}{100} = 240$

1200 − 240 = 960

Now 30% of CP. of retailer

$960 \times \frac{30}{100} = 288$.

960 − 288

672 {C.P of manufacture}

5) Let Cost be x, sold at 20% loss.

$$\text{Loss \%} = \frac{CP - SP}{CP} = \frac{x - SP}{x} = \frac{20}{100}.$$

$$SP = 0.8x$$

$$\text{Gain \%} = \frac{SP - CP}{CP} = \frac{(0.8x + 300) - x}{x} = \frac{10}{100}$$

$$300 - 0.2x = 0.1x$$

$$300 = 0.3x$$

$$\frac{3000}{3} = x$$

$$x = 1000$$

APRIL 2020

WK 13 085-281

WEDNESDAY • MARCH 25

Reasoning

1) None of above

2) Ben

3) Aunt

4) Brother-in-law

5) Apple, Apricot, Banana, Carrot

6) OPEN
15+16+5+14
50.

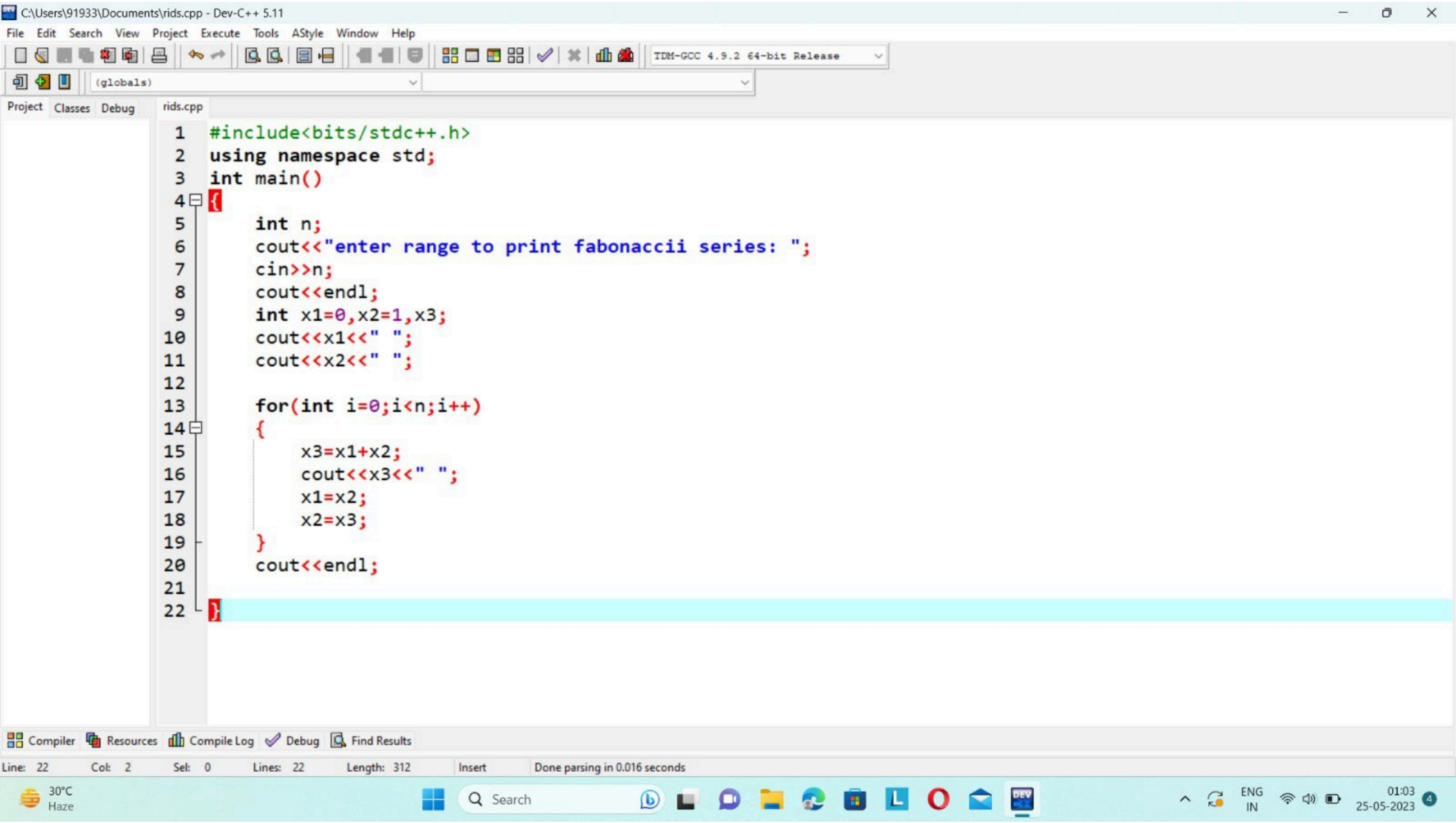
7) Eric.

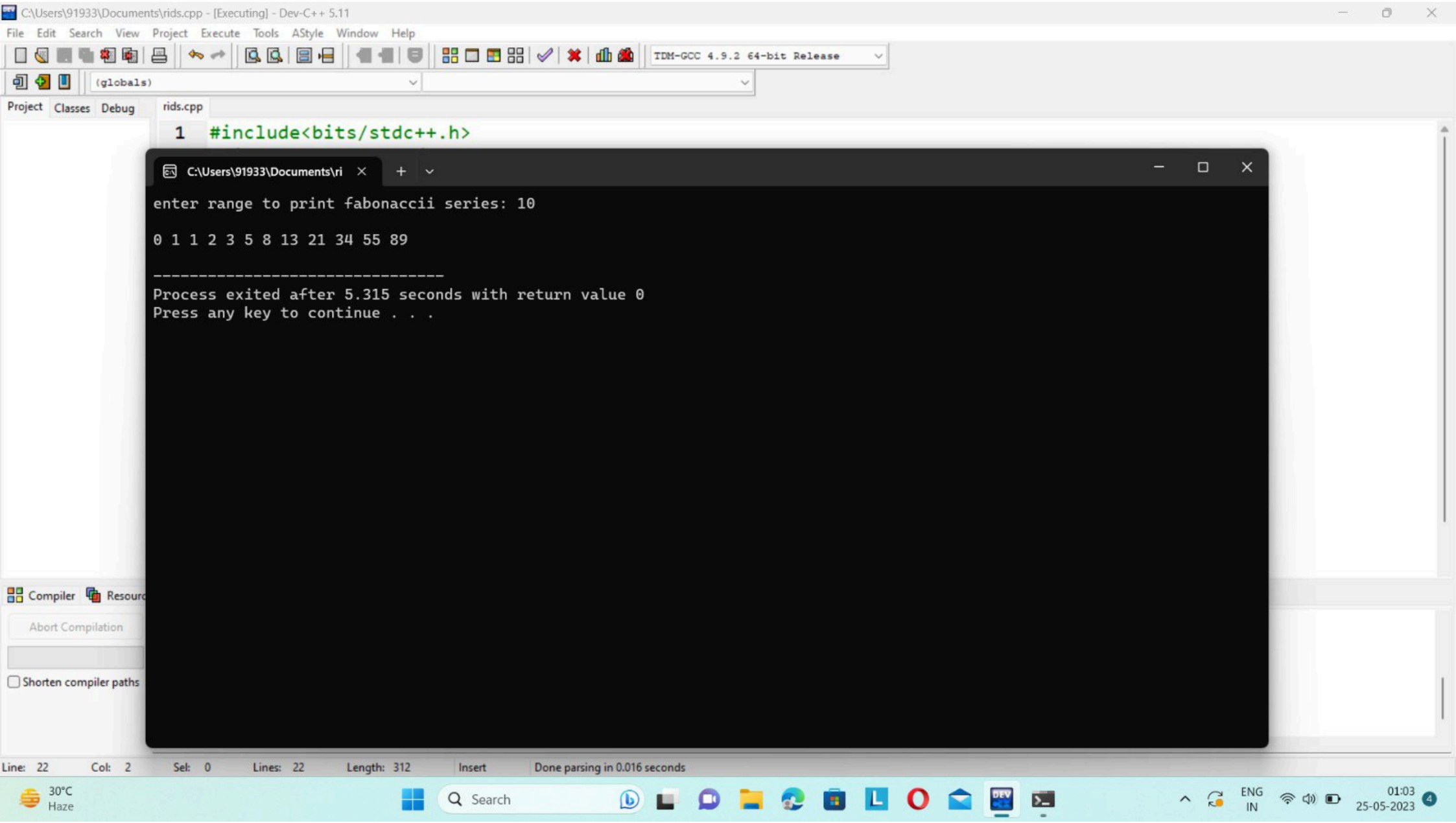
8) 10+2-4*3/6
= 10+2-2
= 10

9) 33, 29, 25, 17, 11

10) X=5 Y=9 Z=7
XYZ + YZX
= (5×9×7) + (9×7×5)
= 315 + 315 = 630

XYZ + YZX
597 + 975
1572


C:\Users\91933\Documents\rids.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
rids.cpp
#include<bits/stdc++.h>
using namespace std;
int main()
{
int n;
cout<<"enter range to print fabonaccii series: ";
cin>>n;
cout<<endl;
int x1=0,x2=1,x3;
cout<<x1<<" ";
cout<<x2<<" ";
for(int i=0;i<n;i++)
{
x3=x1+x2;
cout<<x3<<" ";
x1=x2;
x2=x3;
}
cout<<endl;
}
Compiler Resources Compile Log Debug Find Results
Line: 22 Col: 2 Sel: 0 Lines: 22 Length: 312 Insert Done parsing in 0.016 seconds
30°C Haze
Search
ENG IN
01:03 25-05-2023


C:\Users\91933\Documents\rids.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
rids.cpp
1 #include<bits/stdc++.h>
C:\Users\91933\Documents\ri
enter range to print fabonaccii series: 10
0 1 1 2 3 5 8 13 21 34 55 89

Process exited after 5.315 seconds with return value 0
Press any key to continue . . .
Compiler
Abort Compilation
Shorten compiler paths
Line: 22 Col: 2 Sel: 0 Lines: 22 Length: 312 Insert Done parsing in 0.016 seconds
30°C Haze
Search
ENG IN
01:03 25-05-2023

C:\Users\91933\Documents\rids.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

rids.cpp

```cpp

#include <bits/stdc++.h>
using namespace std;
string reverseString(string str)
{

    reverse(str.begin(), str.end());

    str.insert(str.end(), ' ');

    int n = str.length();

    int j = 0;


    for (int i = 0; i < n; i++) {


        if (str[i] == ' ') {
            reverse(str.begin() + j, str.begin() + i);


            j = i + 1;
        }
    }

```

Compiler Resources Compile Log Debug Find Results

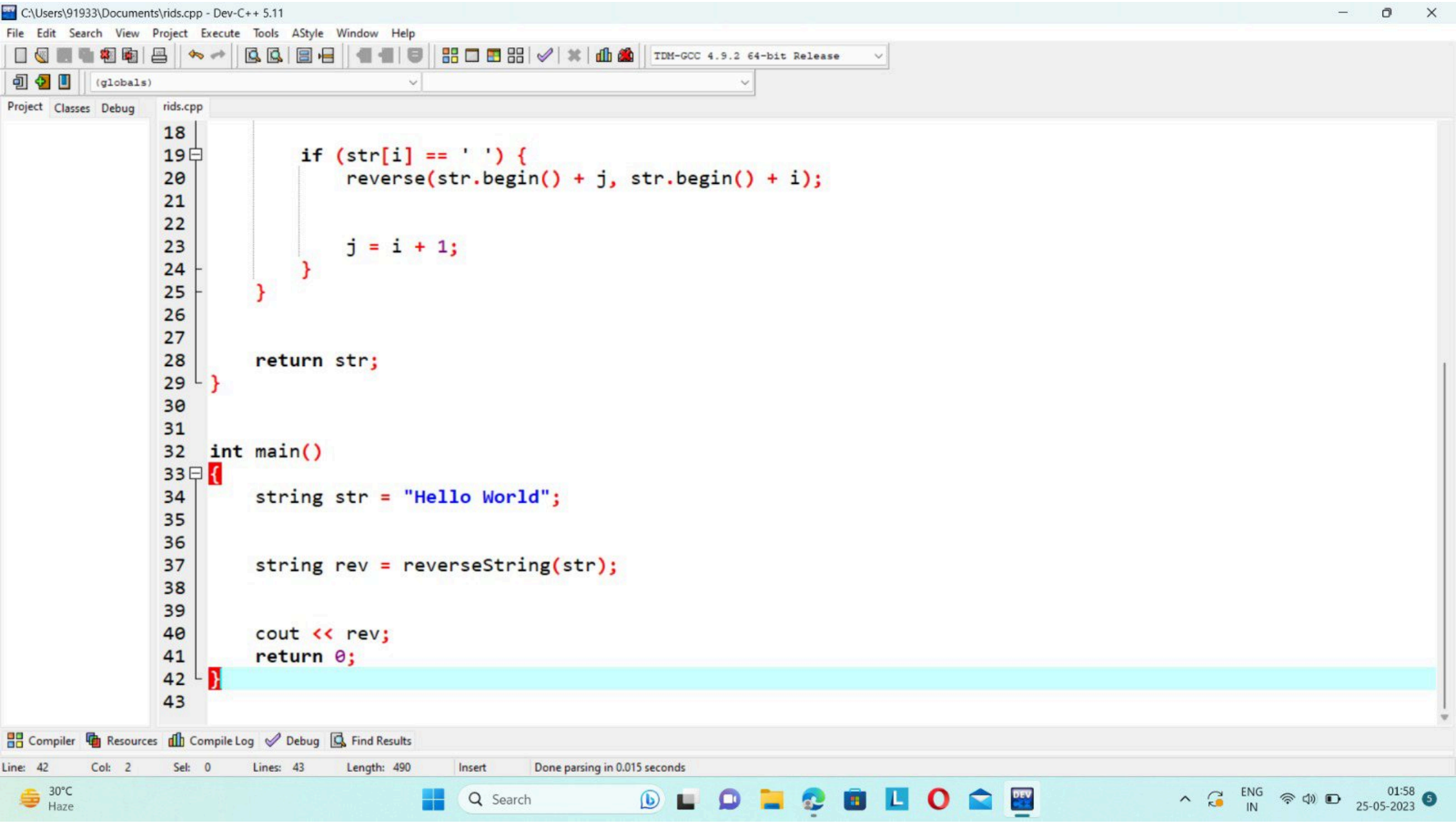
Line: 34 Col: 30 Sel: 0 Lines: 43 Length: 490 Insert Done parsing in 0.015 seconds

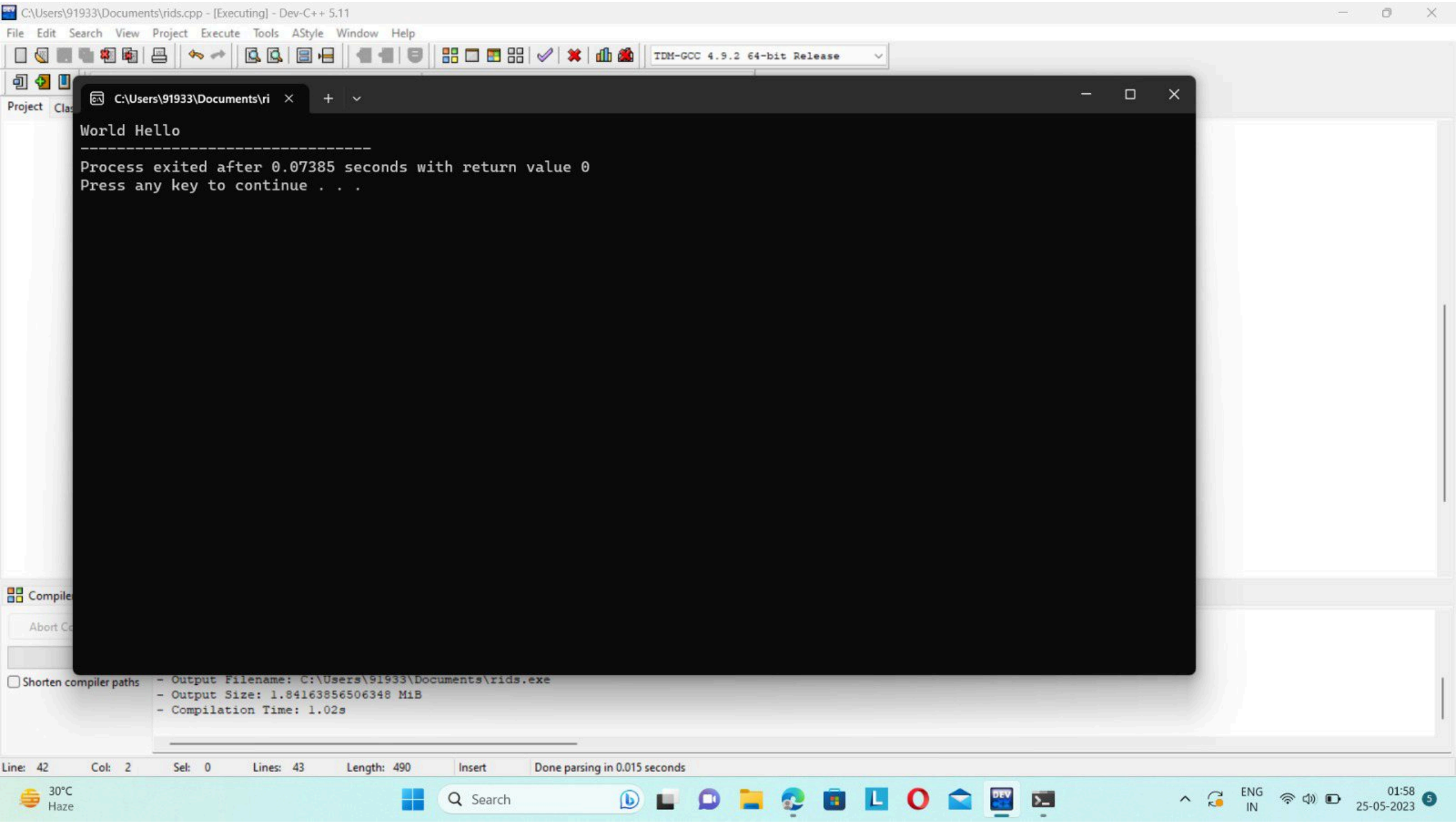
30°C Haze

Search

ENG IN

01:58 25-05-2023


C:\Users\91933\Documents\rids.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
rids.cpp
if (str[i] == ' ') {
reverse(str.begin() + j, str.begin() + i);
j = i + 1;
}
}
return str;
}
int main()
{
string str = "Hello World";
string rev = reverseString(str);
cout << rev;
return 0;
}
Compiler Resources Compile Log Debug Find Results
Line: 42 Col: 2 Sel: 0 Lines: 43 Length: 490 Insert Done parsing in 0.015 seconds
30°C Haze
Search
ENG IN
01:58 25-05-2023


C:\Users\91933\Documents\rids.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\91933\Documents\ri
World Hello
Process exited after 0.07385 seconds with return value 0
Press any key to continue . . .
Shorten compiler paths
- Output Filename: C:\Users\91933\Documents\rids.exe
- Output Size: 1.84163856506348 MiB
- Compilation Time: 1.02s
Line: 42 Col: 2 Sel: 0 Lines: 43 Length: 490 Insert Done parsing in 0.015 seconds
30°C Haze
Search
ENG IN
01:58 25-05-2023