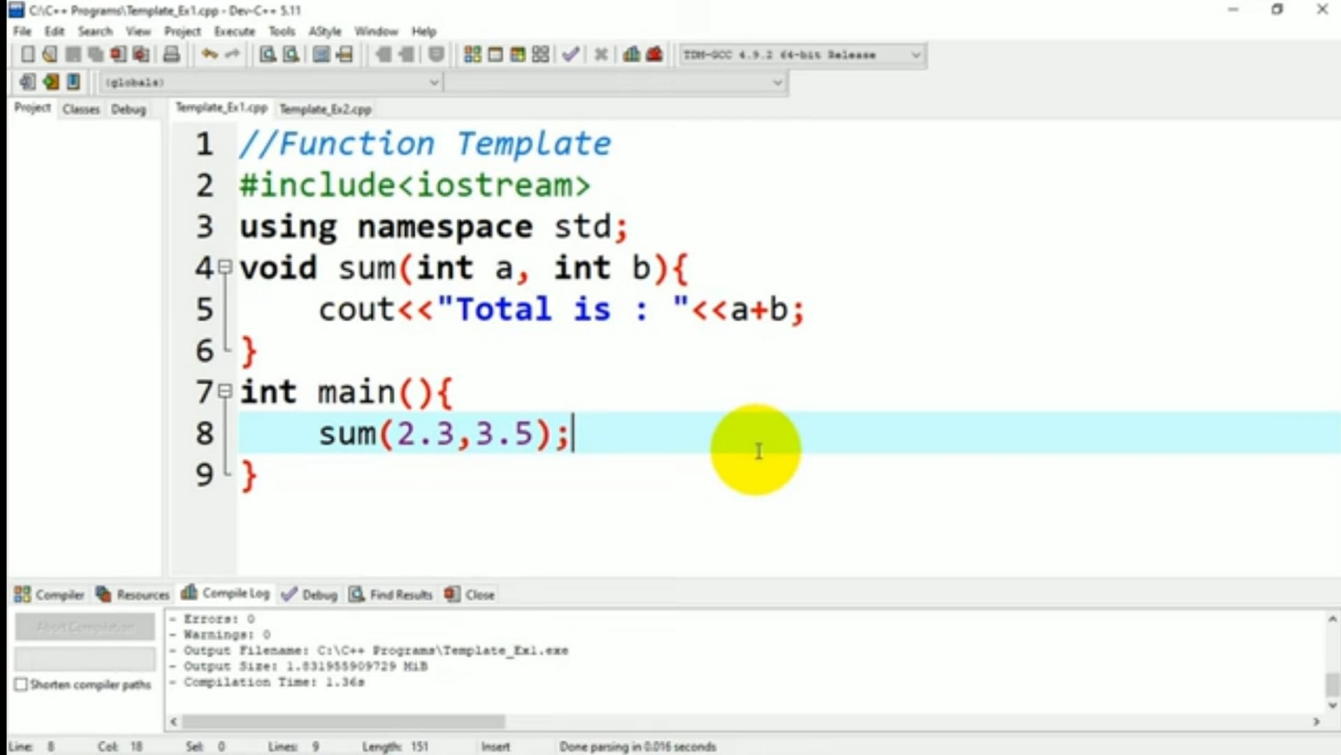


## Templates in C++

Templates are powerful features of C++ which allows you to write generic programs. In simple terms, you can create a single function or a class to work with different data types using templates.

**The concept of templates can be used in two different ways:**

- Function Templates
- Class Templates



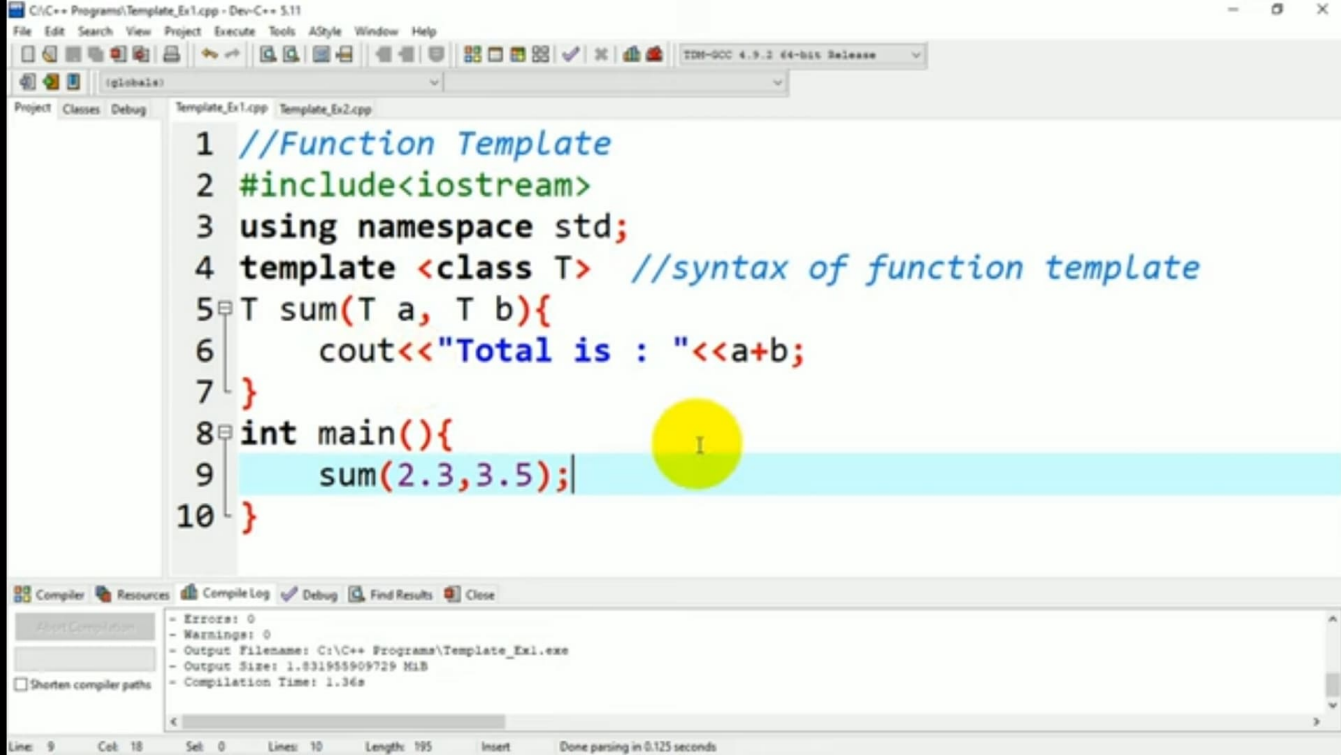
```
1 //Function Template
```

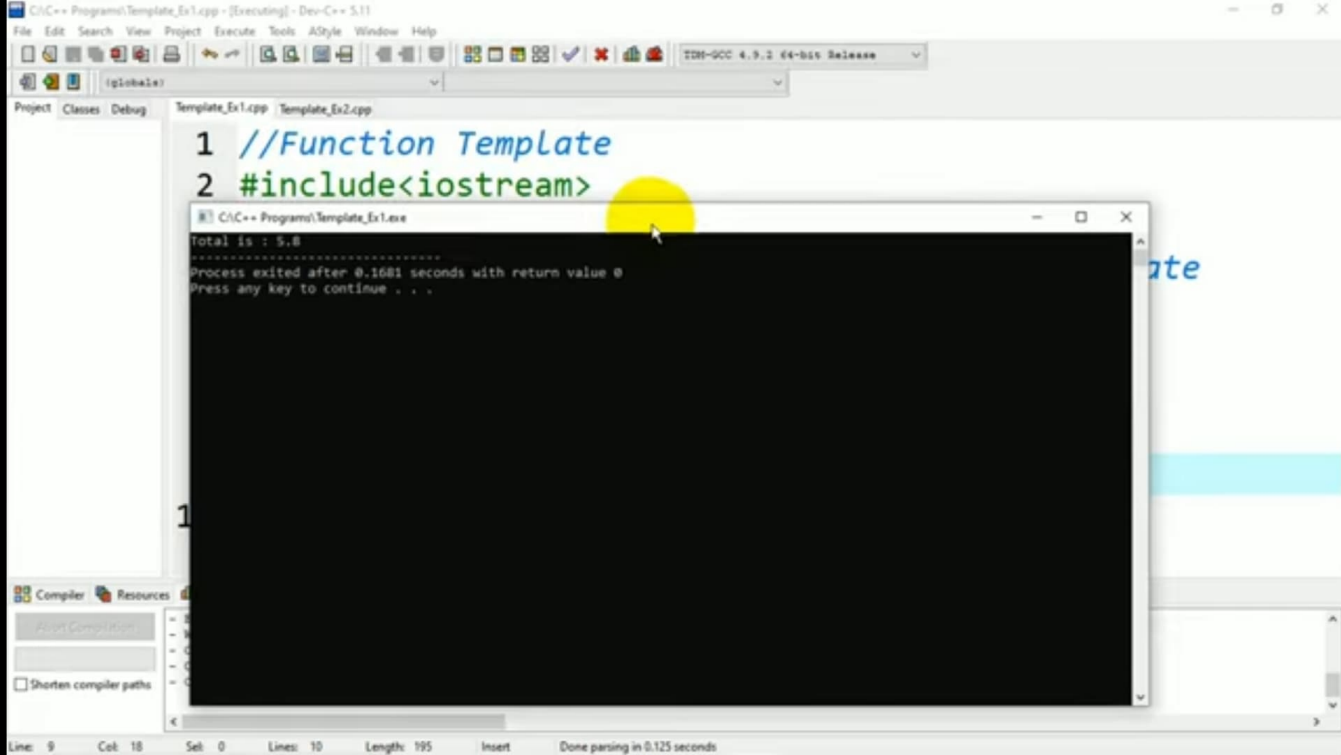
C:\C++ Programs\Template\_Ex1.exe

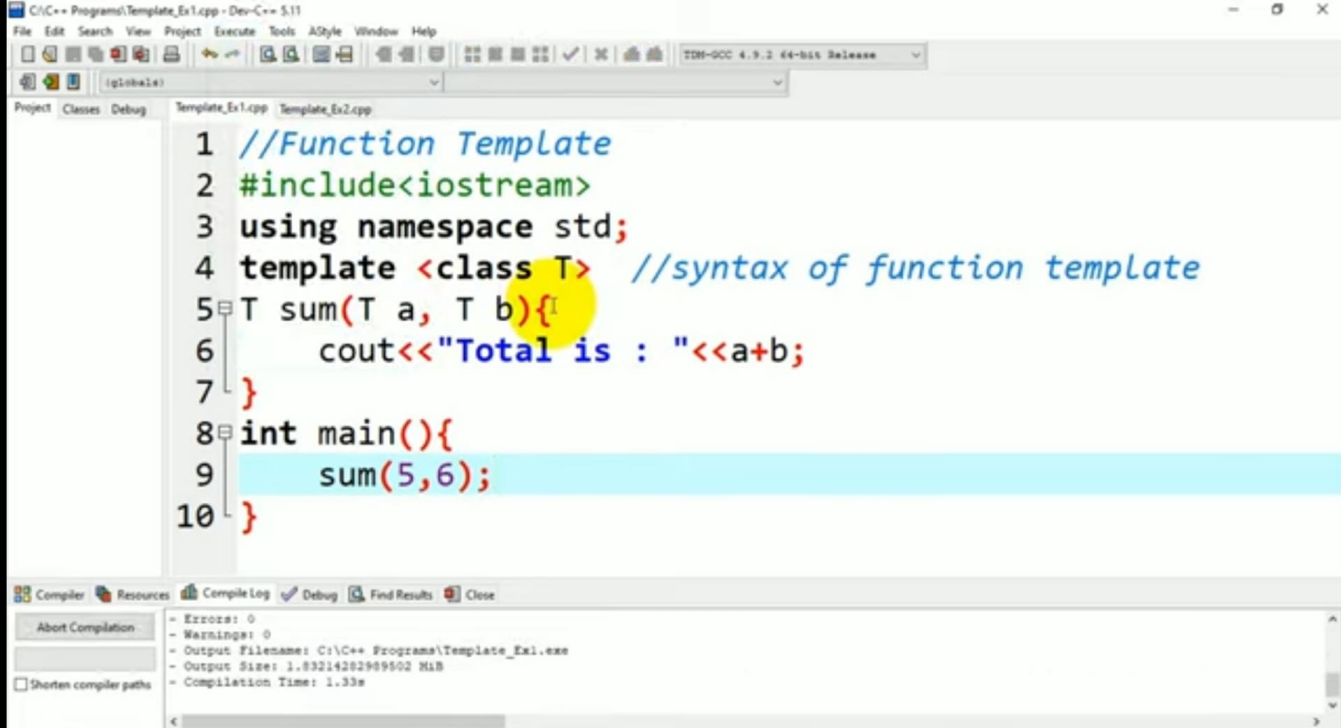
Total is : 5

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Process exited after 0.168 seconds with return value 0

Press any key to continue . . .

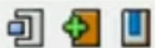
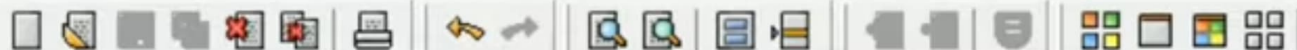






C:\C++ Programs\Template\_Ex1.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help



(globals)

Project

Classes

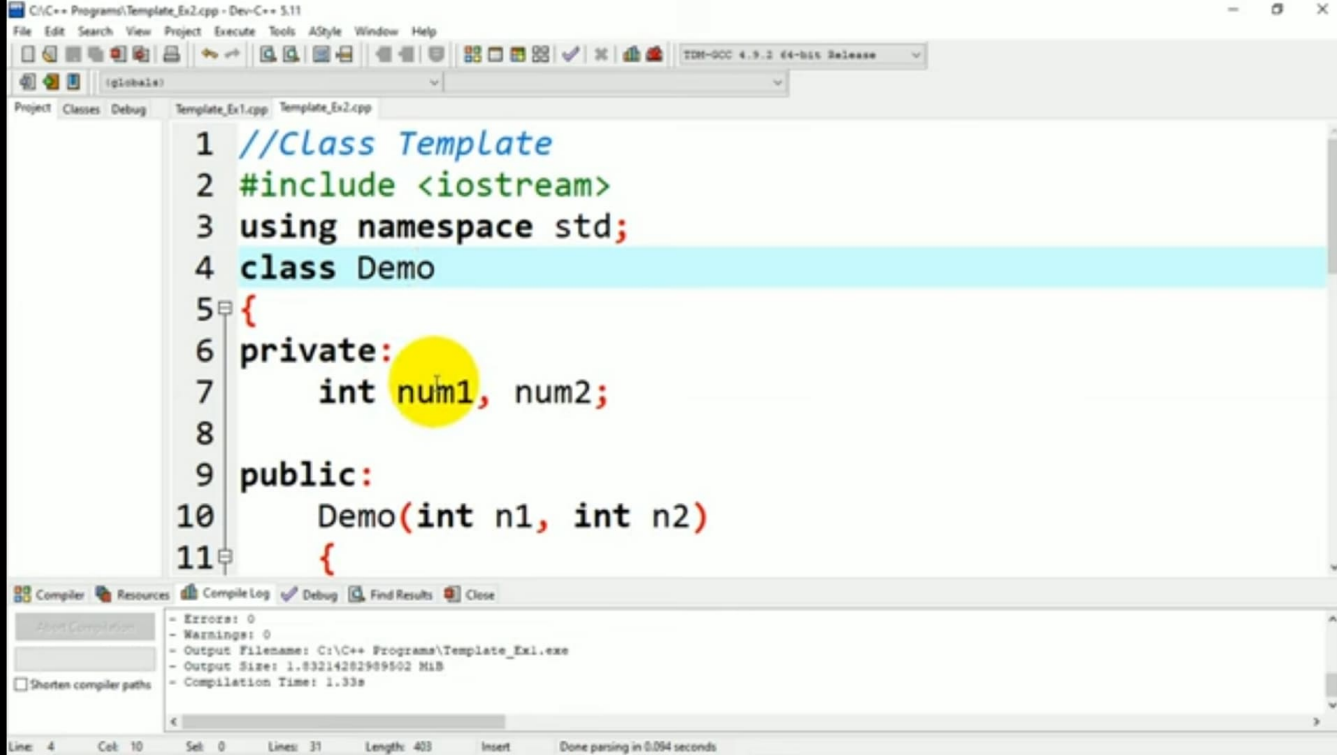
C:\C++ Programs\Template\_Ex1.exe

Total is : 11

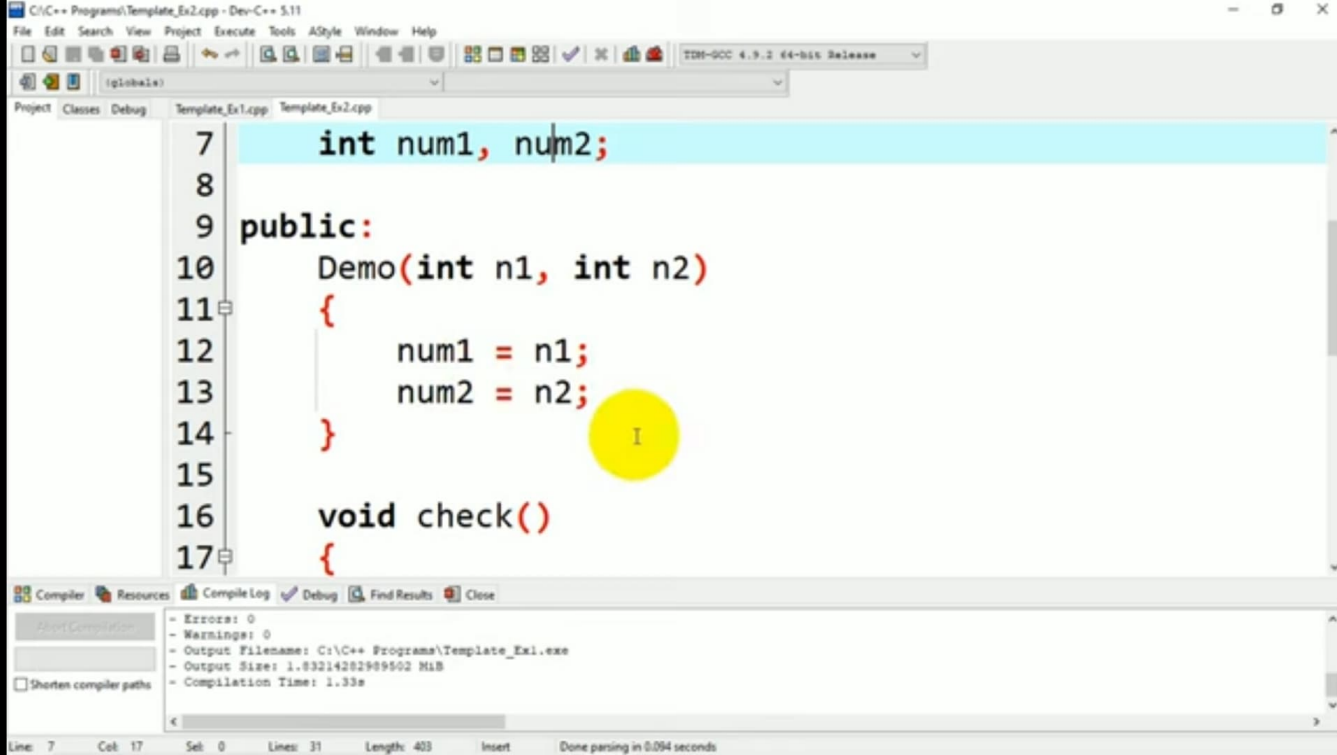
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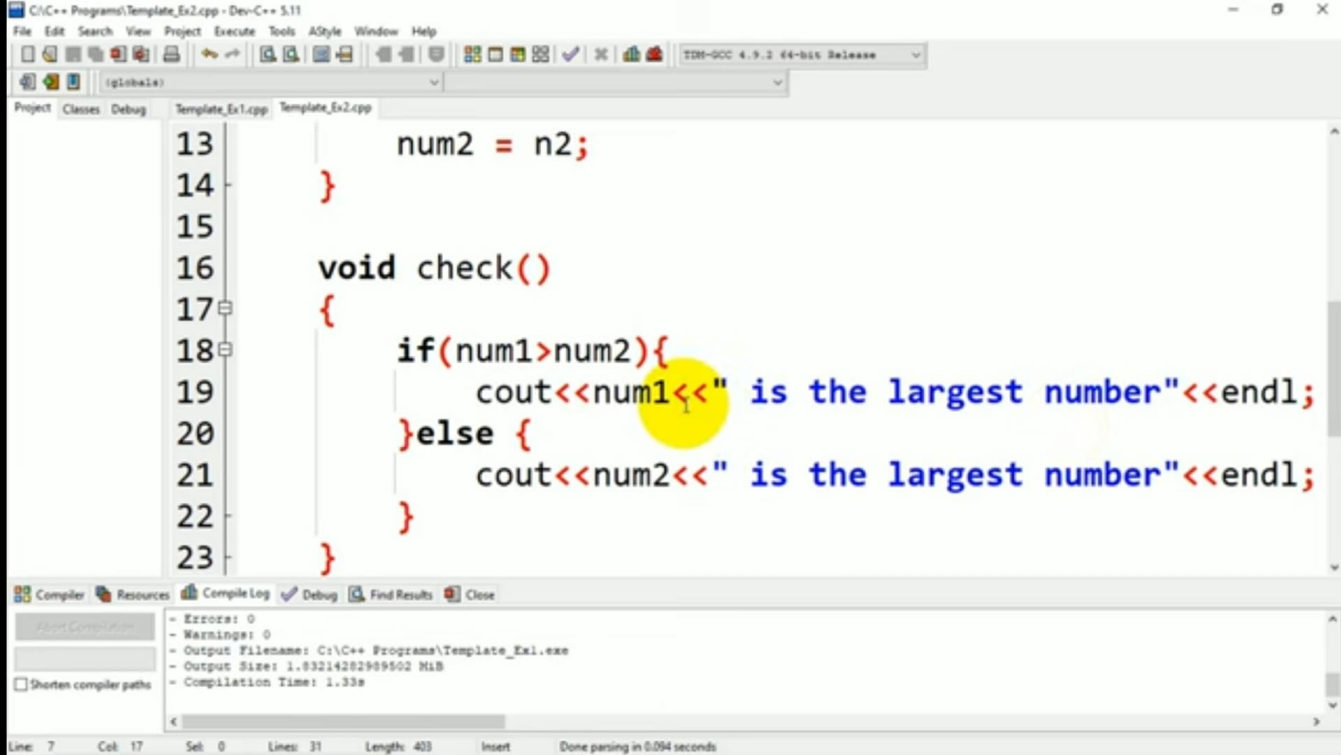
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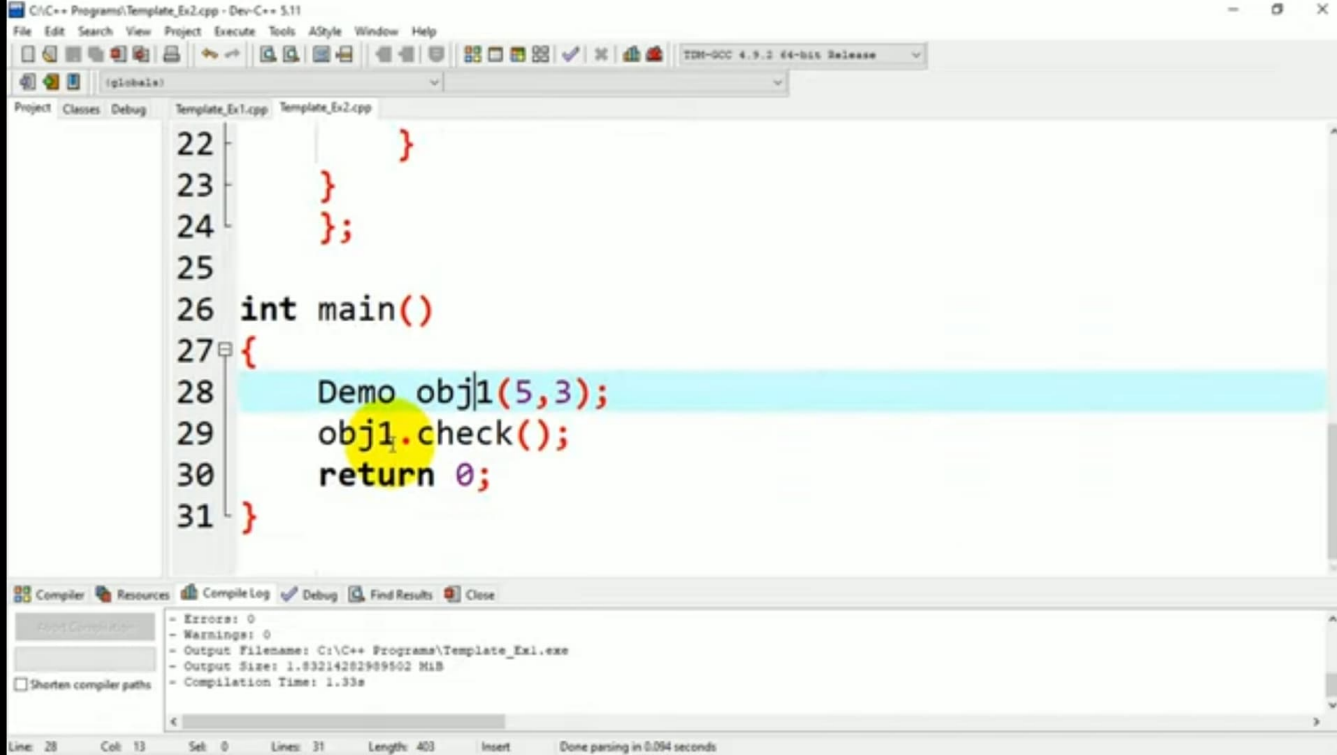
Press any key to continue . . .

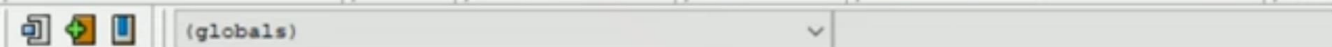
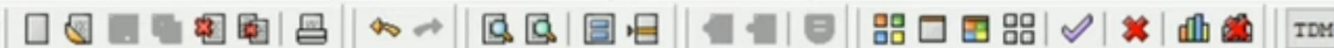












```
16 void check()
```

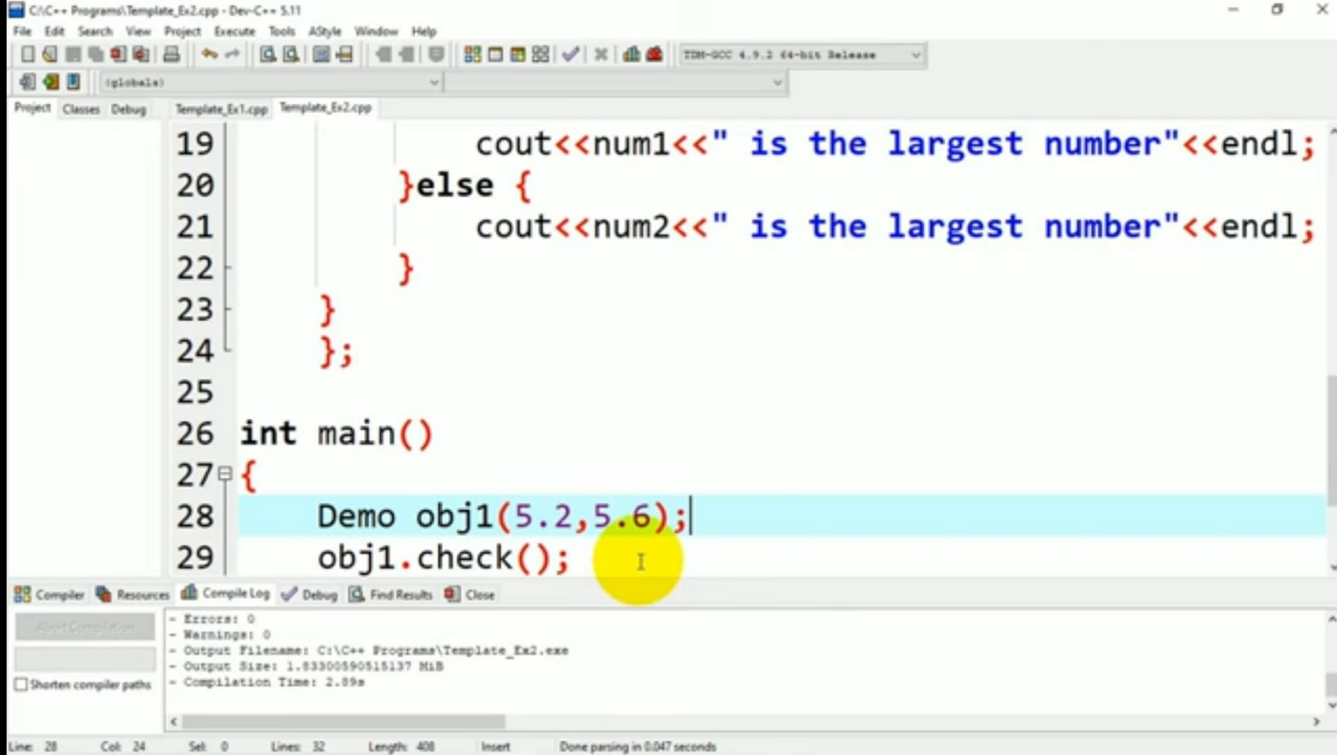
```
C:\C++ Programs\Template_Ex2.exe
```

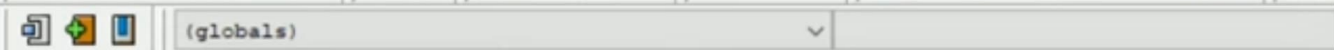
```
5 is the largest number
```

```
-----
```

```
Process exited after 0.1151 seconds with return value 0
```

```
Press any key to continue . . .
```



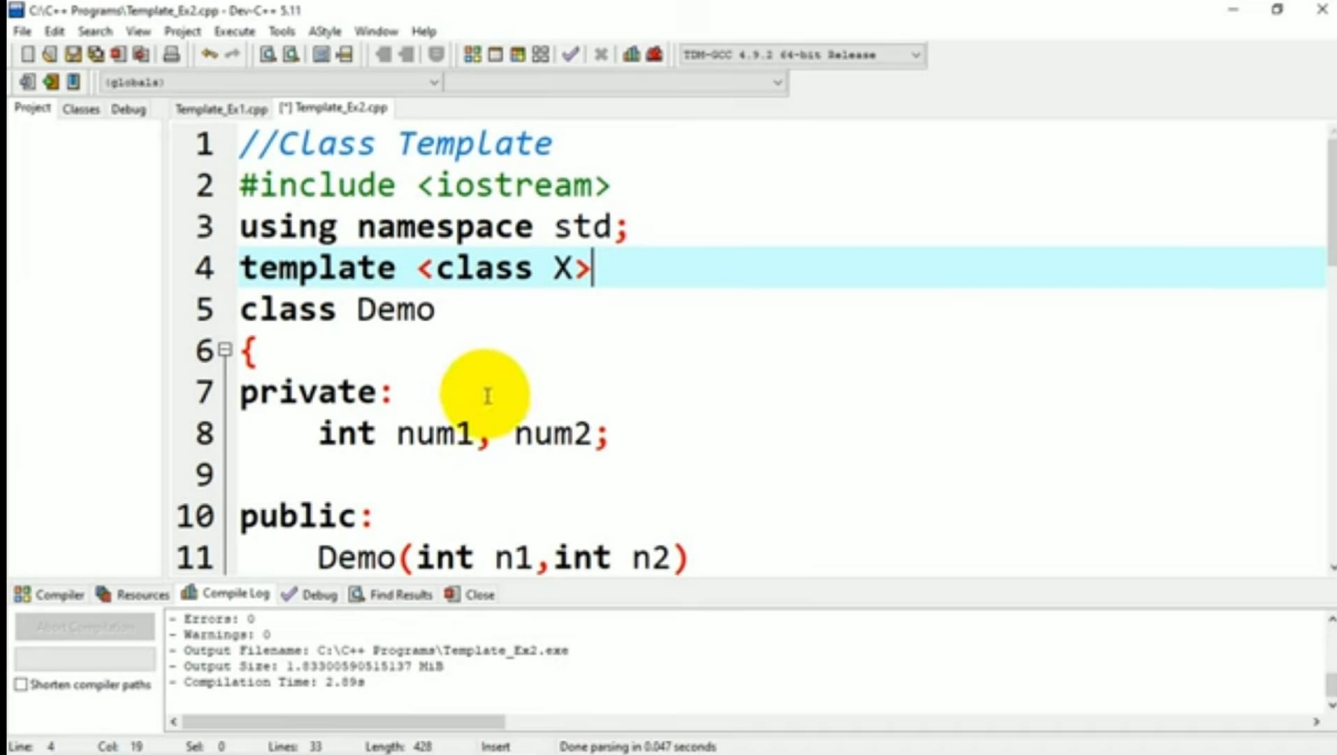


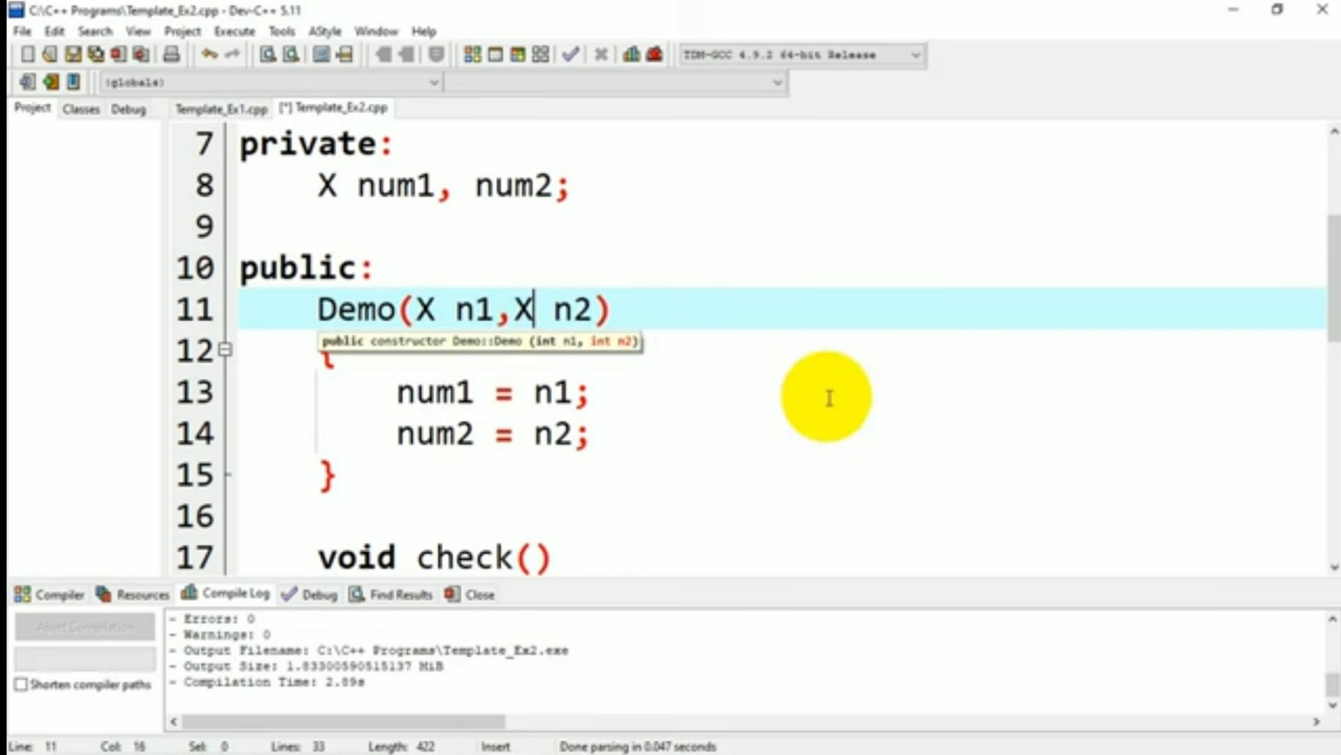
Project Classes

C:\C++ Programs\Template\_Ex2.exe

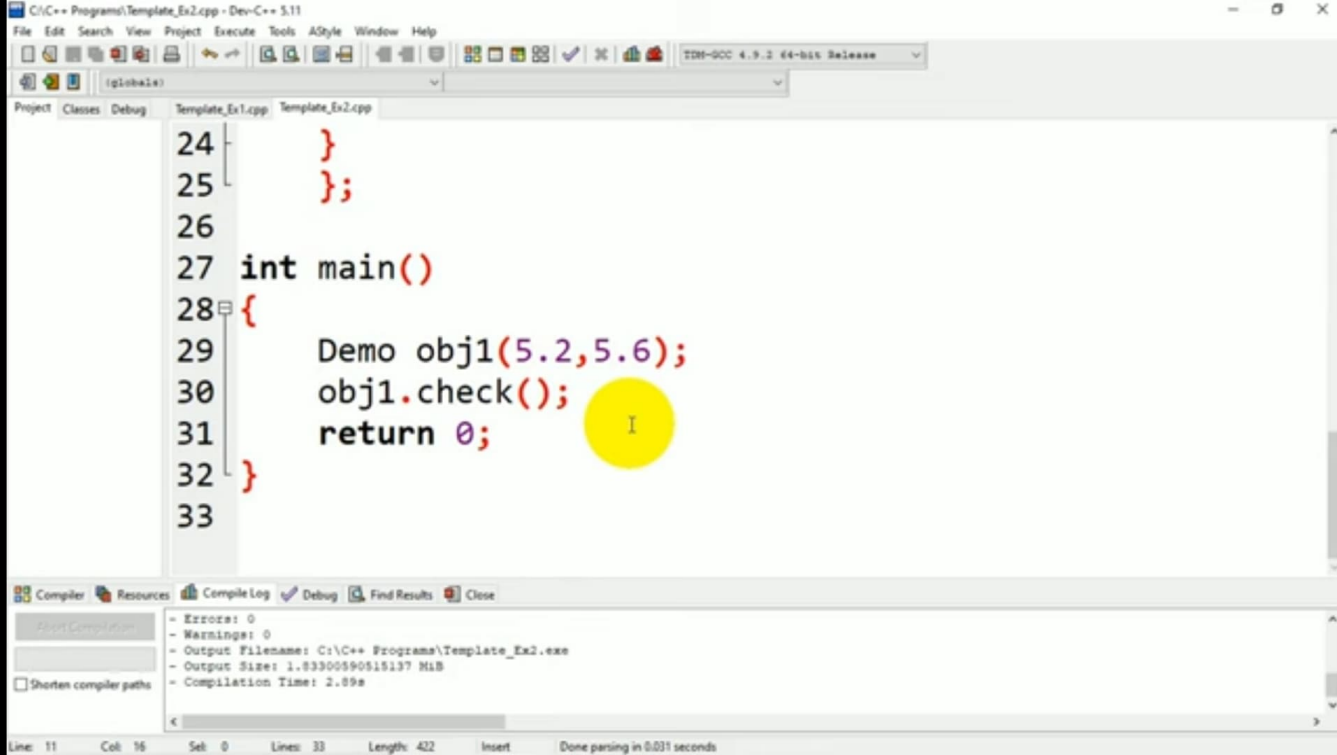
5 is the largest number

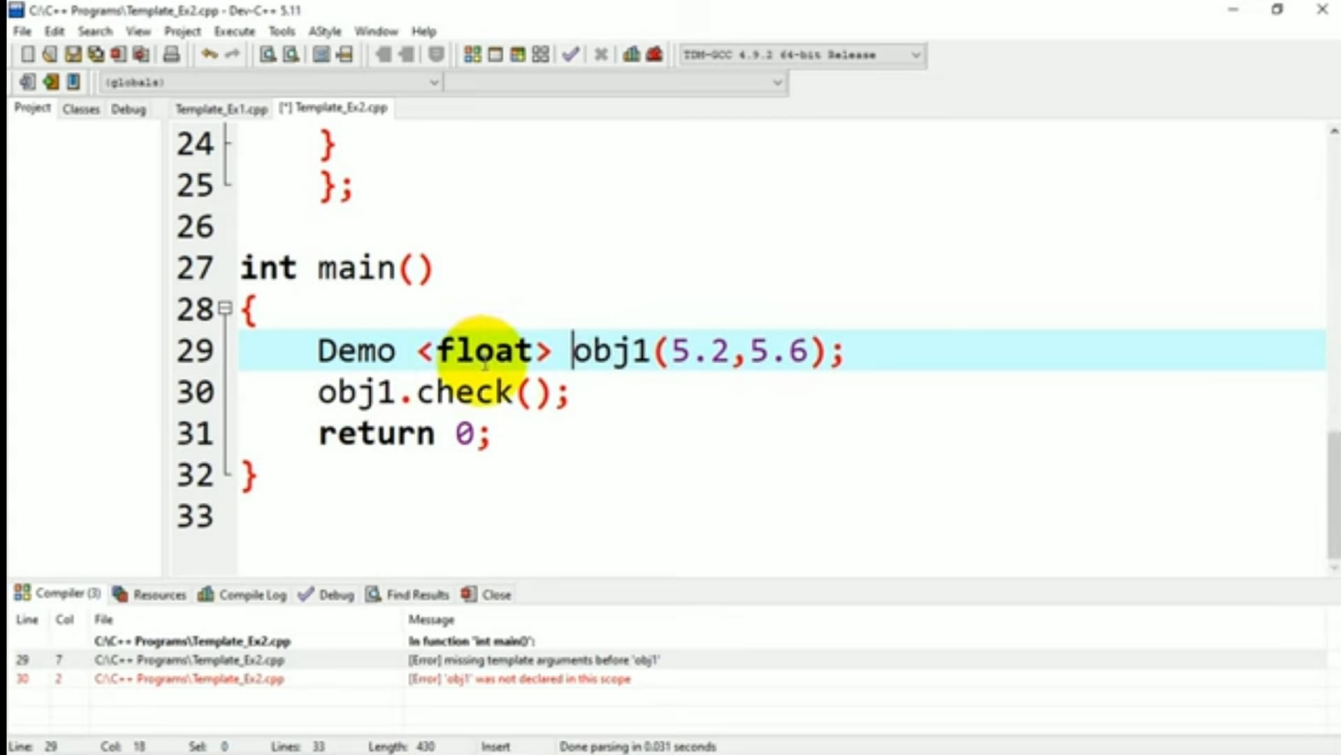
-----  
Process exited after 0.1922 seconds with return value 0  
Press any key to continue . . .











24

}

25

C:\C++ Programs\Template\_Ex2.exe

26

5.6 is the largest number

27

-----  
Process exited after 0.2789 seconds with return value 0

28

Press any key to continue . . .

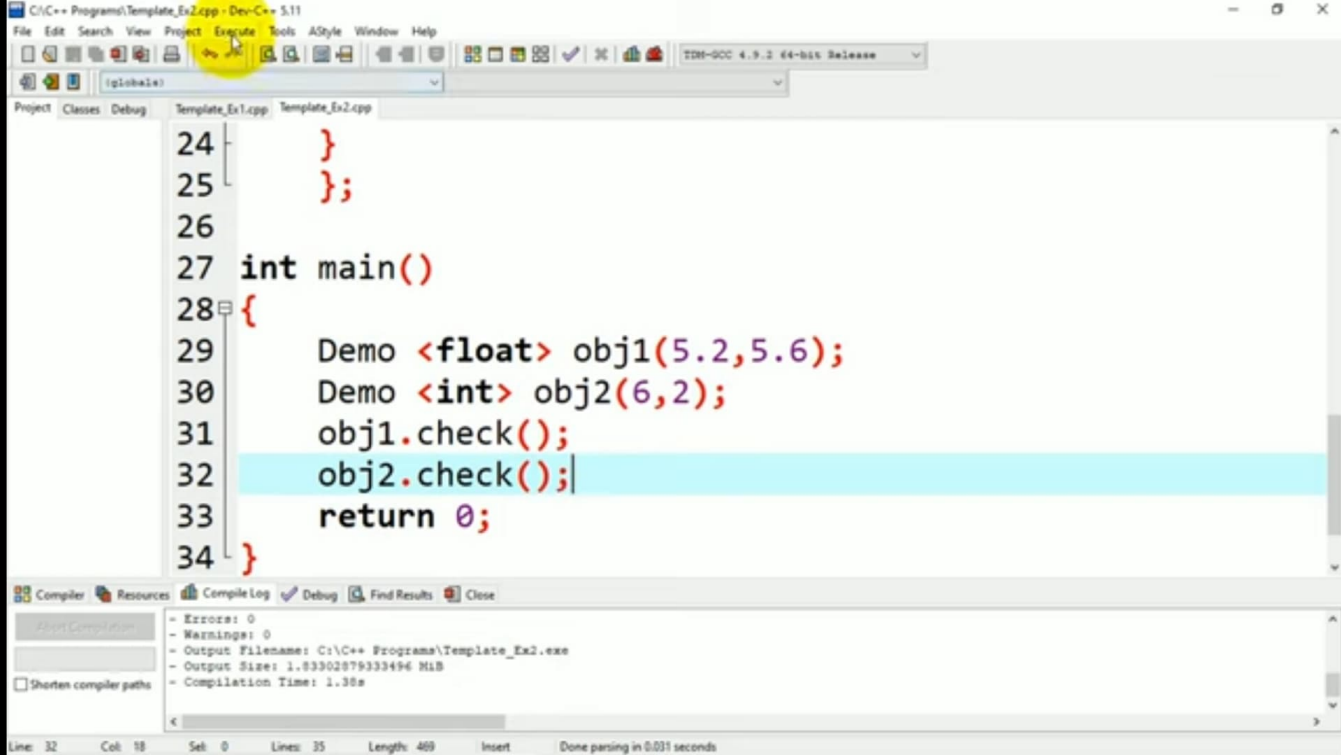
29

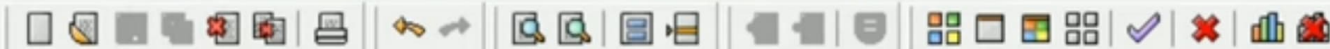
30

31

32

33





Project Classes Debug

C:\C++ Programs\Template\_Ex2.exe

```
5.6 is the largest number
6 is the largest number
```

```
-----
Process exited after 0.15 seconds with return value 0
Press any key to continue . . .
```