

C:\Users\ravur\OneDrive\Pictures\Screenshots\pointer to array of floats in c++.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Debugger toolbar: Run, Step Over, Step Into, Breakpoint, etc.

Compiler: TDM-GCC 4.9.2 64-bit Profiling

Project: (globals)

Project Explorer:

- car and truck in c++.cpp
- dog and cat in c++.cpp
- employee data in c++.cpp
- person with data in c++.cpp
- point to integer inc++.cpp
- pointer to float its display.cpp
- pointer to object in c.cpp
- pointer char in c++.cpp
- pointer to double in c++.cpp
- pointer to array in c++.cpp
- pointer to string in c++.cpp
- pointer to elements in c++.cpp
- pointer to array of floats in c++.cpp
- [*] pointer to function in c++.cpp

```
1 #include <iostream>
2 int main()
3 {
4     float myFloatArray[] = {3.14, 2.718, 1.618, 0.577, 2.302};
5
6     float* floatPtr = myFloatArray;
7     int numElements = sizeof(myFloatArray) / sizeof(float);
8     std::cout << "Values of the array using the pointer:" << endl;
9     for (int i = 0; i < numElements; ++i) {
10         std::cout << "Element " << i << ": " << *floatPtr << endl;
11         floatPtr++;
12     }
13
14     return 0;
15 }
```

Output Console:

```
Values of the array using the pointer:
Element 0: 3.14
Element 1: 2.718
Element 2: 1.618
Element 3: 0.577
Element 4: 2.302
-----
Process exited after 0.4493 seconds with return value 0
Press any key to continue . . .
```

Compiler Output:

```
- Warnings: 0
- Output Filename: C:\Users\ravur\OneDrive\Pictures\Screenshots\pointer to array of floats in c++.exe
- Output Size: 1.85530948638916 MiB
- Compilation Time: 0.86s
```

Status Bar: Line: 8 Col: 60 Set: 0 Lines: 16 Length: 425 Insert Done parsing in 0.015 seconds

System Tray: 92°F Sunny, Search, Taskbar icons, 13:09 29-09-2023

C:\Users\ravur\OneDrive\Pictures\Screenshots\car and truck in c++.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Debugger: TDM-GCC 4.9.2 64-bit Profiling

Project Classes Debug

pointer to double in c++.cpp pointer to array in c++.cpp [*] pointer to string in c++.cpp [*] pointer to elements in c++.cpp pointer to array of floats in c++.cpp [*] pointer to function in c++.cpp
car and truck in c++.cpp dog and cat in c++.cpp employee data in c++.cpp person with data in c++.cpp point to integer inc++.cpp pointer to float its display.cpp [*] pointer to object in c.cpp pointer char in c++.cpp

```
1 #include <iostream>
2 #include <string>
3
4 class Vehicle {
5 protected:
6     std::string make;
7     std::string model;
8     int year;
9
10 public:
11     Vehicle(const std::string& make, const std::string& model, int year) : make(make), model(model), year(year) {}
12     std::string getMake() const { return make; }
13     std::string getModel() const { return model; }
14     int getYear() const { return year; }
15
16     void display() const {
17         std::cout << "Car Information:" << endl;
18         std::cout << "Make: " << make << endl;
19         std::cout << "Model: " << model << endl;
20         std::cout << "Year: " << year << endl;
21         std::cout << "Seating Capacity: 5" << endl;
22         std::cout << "Fuel Type: Gasoline" << endl;
23     }
24
25     void displayTruck() const {
26         std::cout << "Truck Information:" << endl;
27         std::cout << "Make: " << make << endl;
28         std::cout << "Model: " << model << endl;
29         std::cout << "Year: " << year << endl;
30         std::cout << "Payload Capacity: 2000 lbs" << endl;
31         std::cout << "Towing Capacity: 7500 lbs" << endl;
32     }
33 }
```

C:\Users\ravur\OneDrive\Pictures\Screenshots\car and truck in c++.exe

```
Car Information:
Make: Toyota
Model: Camry
Year: 2022
Seating Capacity: 5
Fuel Type: Gasoline

Truck Information:
Make: Ford
Model: F-150
Year: 2021
Payload Capacity: 2000 lbs
Towing Capacity: 7500 lbs

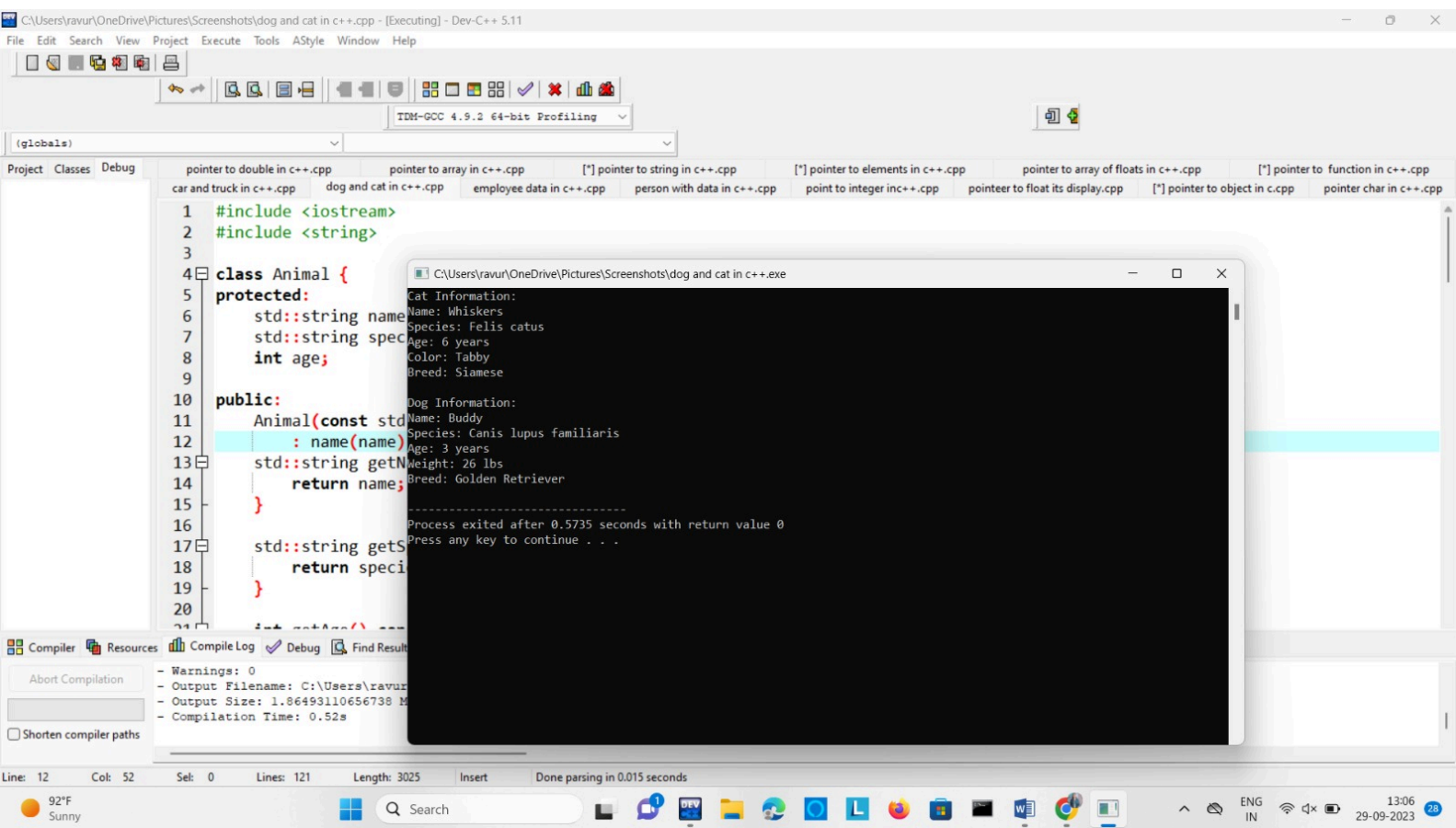
-----
Process exited after 0.6482 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Warnings: 0
Output Filename: C:\Users\ravur\OneDrive\Pictures\Screenshots\car and truck in c++.exe
Output Size: 1.86417007446289 MiB
Compilation Time: 0.56s

Line: 3 Col: 1 Sel: 0 Lines: 121 Length: 3262 Insert Done parsing in 0.016 seconds

92°F Sunny 13:06 29-09-2023



C:\Users\ravur\OneDrive\Pictures\Screenshots\employee data in c++.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

pointer to double in c++.cpp pointer to array in c++.cpp [*] pointer to string in c++.cpp [*] pointer to elements in c++.cpp pointer to array of floats in c++.cpp [*] pointer to function in c++.cpp
car and truck in c++.cpp dog and cat in c++.cpp employee data in c++.cpp person with data in c++.cpp point to integer inc++.cpp pointer to float its display.cpp [*] pointer to object in c.cpp pointer char in c++.cpp

```
1 #include <iostream>
2 #include <string>
3
4 class Employee {
5 protected:
6     std::string name;
7     int id;
8     double salary;
9
10 public:
11     Employee(const std::string& name, int id, double salary) : name(name), id(id), salary(salary) {}
12     std::string getName() const { return name; }
13     int getId() const { return id; }
14     double getSalary() const { return salary; }
15
16 int main() {
17     Employee emp1("Alice", 101, 80000);
18     Employee emp2("Bob", 102, 80000);
19     emp1.printInfo();
20     emp2.printInfo();
21     return 0;
22 }
```

Manager Information:
Name: Alice
ID: 101
Salary: \$80000
Department: Marketing
Bonus: \$5000

Engineer Information:
Name: Bob
ID: 102
Salary: \$80000
Specialty: Software Development
Hours: 45 hours per week

Process exited after 0.6515 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results

Warnings: 0
Output Filename: C:\Users\ravur\OneDrive\Pictures\Screenshots\employee data in c++.exe
Output Size: 1.86416244506836 MiB
Compilation Time: 0.66s

Line: 12 Col: 48 Sel: 0 Lines: 121 Length: 3048 Insert Done parsing in 0.016 seconds

92°F Sunny 13:06 29-09-2023

C:\Users\ravur\OneDrive\Pictures\Screenshots\person with data in c++.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TM-GCC 4.9.2 64-bit Profiling

Project Classes Debug

pointer to double in c++.cpp pointer to array in c++.cpp [*] pointer to string in c++.cpp [*] pointer to elements in c++.cpp pointer to array of floats in c++.cpp [*] pointer to function in c++.cpp
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```
1 #include <iostream>
2 #include <string>
3 class Person {
4 protected:
5     std::string name;
6     int age;
7     std::string gender;
8
9 public:
10    Person(const std::string &name, int age, std::string gender) : name(name), age(age), gender(gender) {}
11    std::string getName() const { return name; }
12    int getAge() const { return age; }
13    std::string getGender() const { return gender; }
14
15    void display() const {
16        std::cout << "Student Information:" << endl;
17        std::cout << "Name: " << name << endl;
18        std::cout << "Age: " << age << endl;
19        std::cout << "Gender: " << gender << endl;
20        std::cout << "Roll Number: 101" << endl;
21        std::cout << "Class: Class 10" << endl;
22
23        std::cout << "Teacher Information:" << endl;
24        std::cout << "Name: Mr. Smith" << endl;
25        std::cout << "Age: 35 years" << endl;
26        std::cout << "Gender: Male" << endl;
27        std::cout << "Subject: Mathematics" << endl;
28        std::cout << "Salary: $60000" << endl;
29
30        std::cout << "-----" << endl;
31        std::cout << "Process exited after 0.4092 seconds with return value 0" << endl;
32        std::cout << "Press any key to continue . . ." << endl;
33    }
34 }
```

CAUsers\ravur\OneDrive\Pictures\Screenshots\person with data in c++.exe

Student Information:
Name: Alice
Age: 19 years
Gender: Female
Roll Number: 101
Class: Class 10

Teacher Information:
Name: Mr. Smith
Age: 35 years
Gender: Male
Subject: Mathematics
Salary: \$60000

Process exited after 0.4092 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results

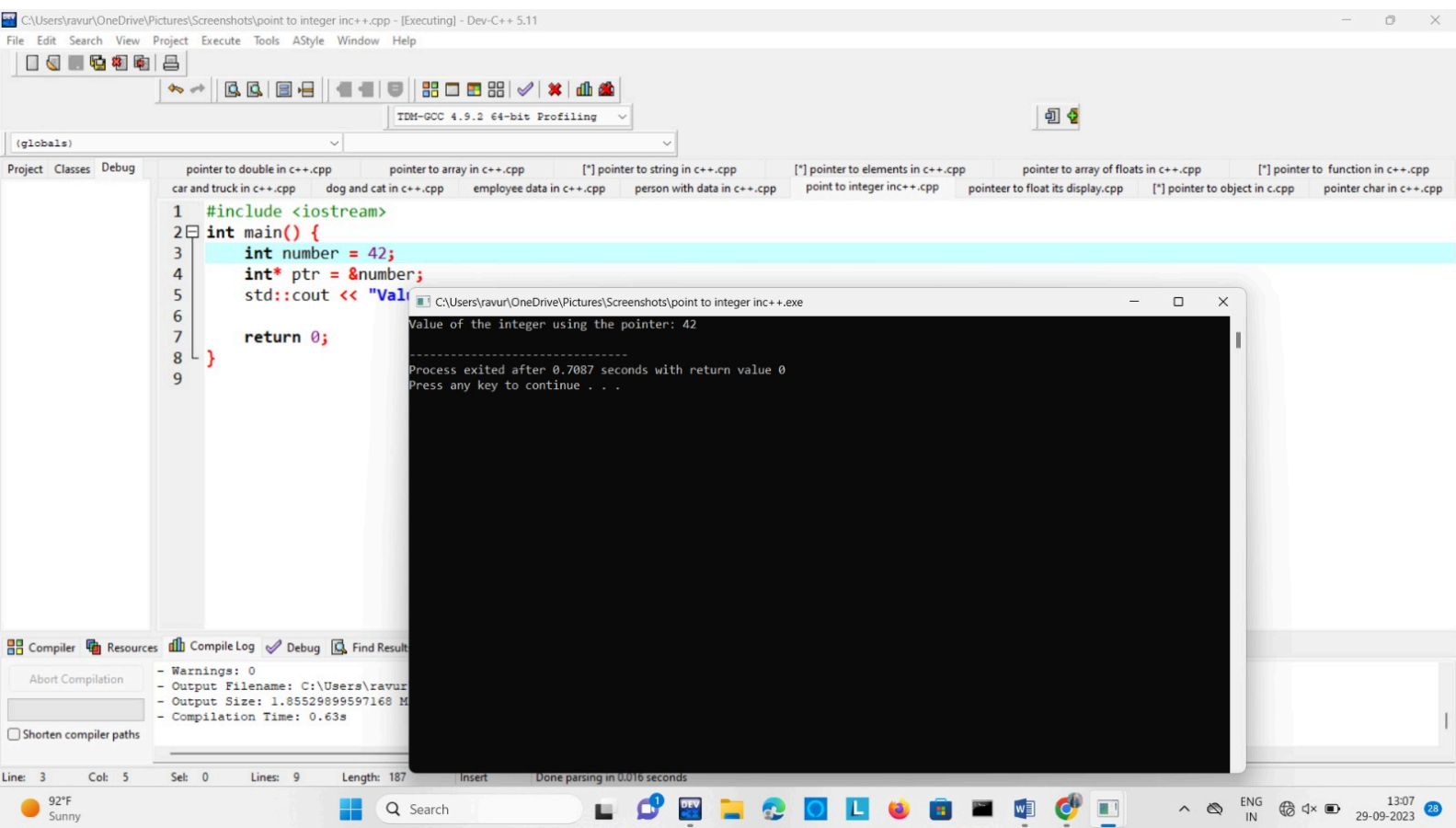
Warnings: 0
Output Filename: C:\Users\ravur\OneDrive\Pictures\Screenshots\person with data in c++.exe
Output Size: 1.86512279510498
Compilation Time: 0.92s

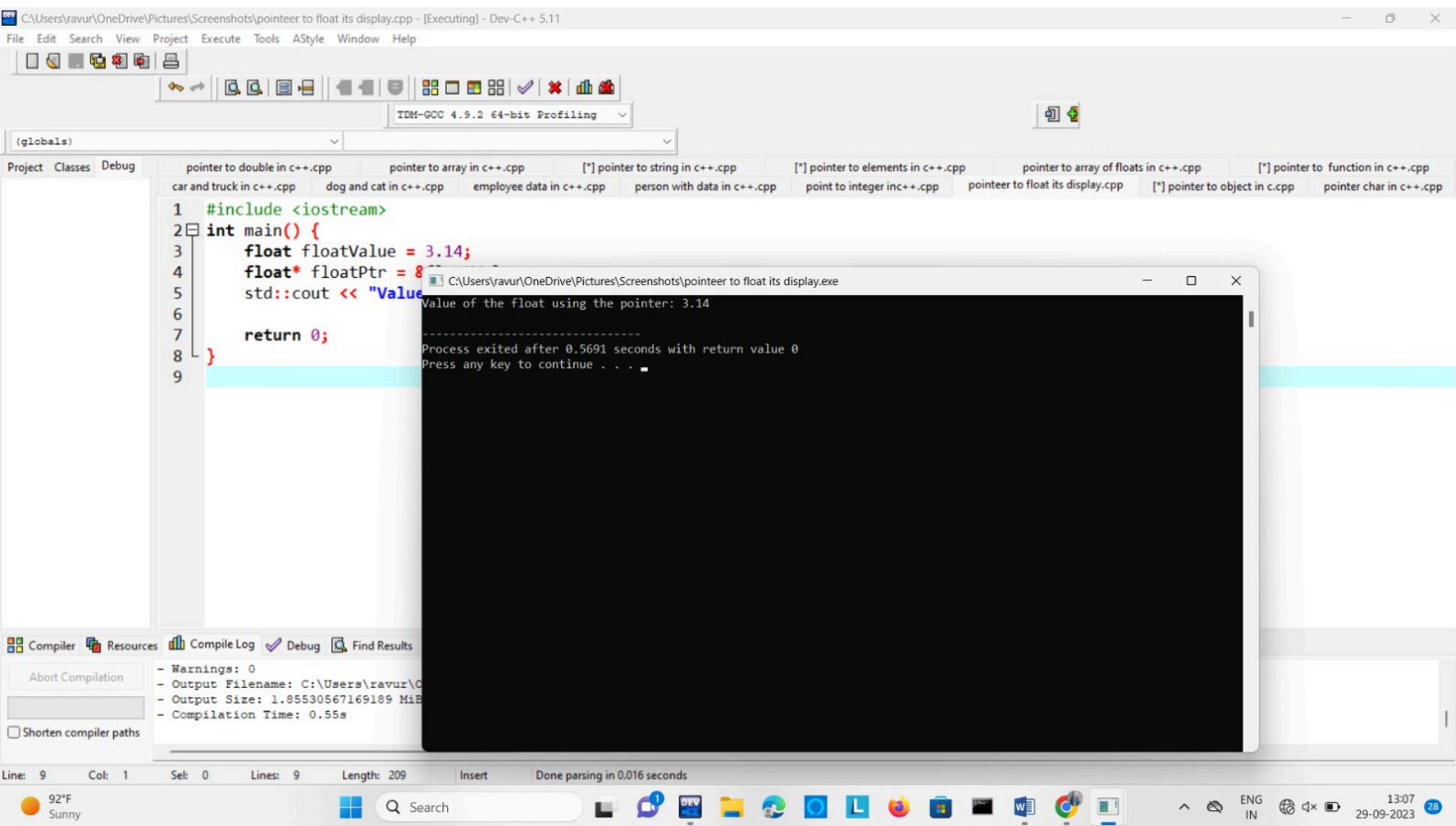
Line: 3 Col: 1 Sel: 0 Lines: 120 Length: 3159 Insert Done parsing in 0.016 seconds

92°F Sunny

Search

ENG IN 13:07 29-09-2023





C:\Users\ravur\OneDrive\Pictures\Screenshots\pointer to object in c.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Debugger toolbar: Run, Step Into, Step Over, Step Return, Breakpoint, Watch, Call Stack, Data View, Memory View, Disassembly View, etc.

Compiler: TDM-GCC 4.9.2 64-bit Profiling

Project: (globals)

Project Explorer:

- pointer to double in c++.cpp
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- pointer to object in c.cpp
- pointer char in c++.cpp

Code Editor:

```
1 #include <iostream>
2 #include <string>
3
4 class Person {
5 public:
6     std::string name;
7     int age;
8
9     Person(const std::string& name, int age) {
10         this->name = name;
11         this->age = age;
12     }
13
14 int main() {
15     Person person("John", 30);
16     Person* personPtr = &person;
17     std::cout << "Name: " << person.name << "\n";
18     std::cout << "Age: " << person.age << "\n";
19
20     return 0;
21 }
```

Output Window:

```
C:\Users\ravur\OneDrive\Pictures\Screenshots\pointer to object in c.exe
Name: John
Age: 30
-----
Process exited after 0.6388 seconds with return value 0
Press any key to continue . . .
```

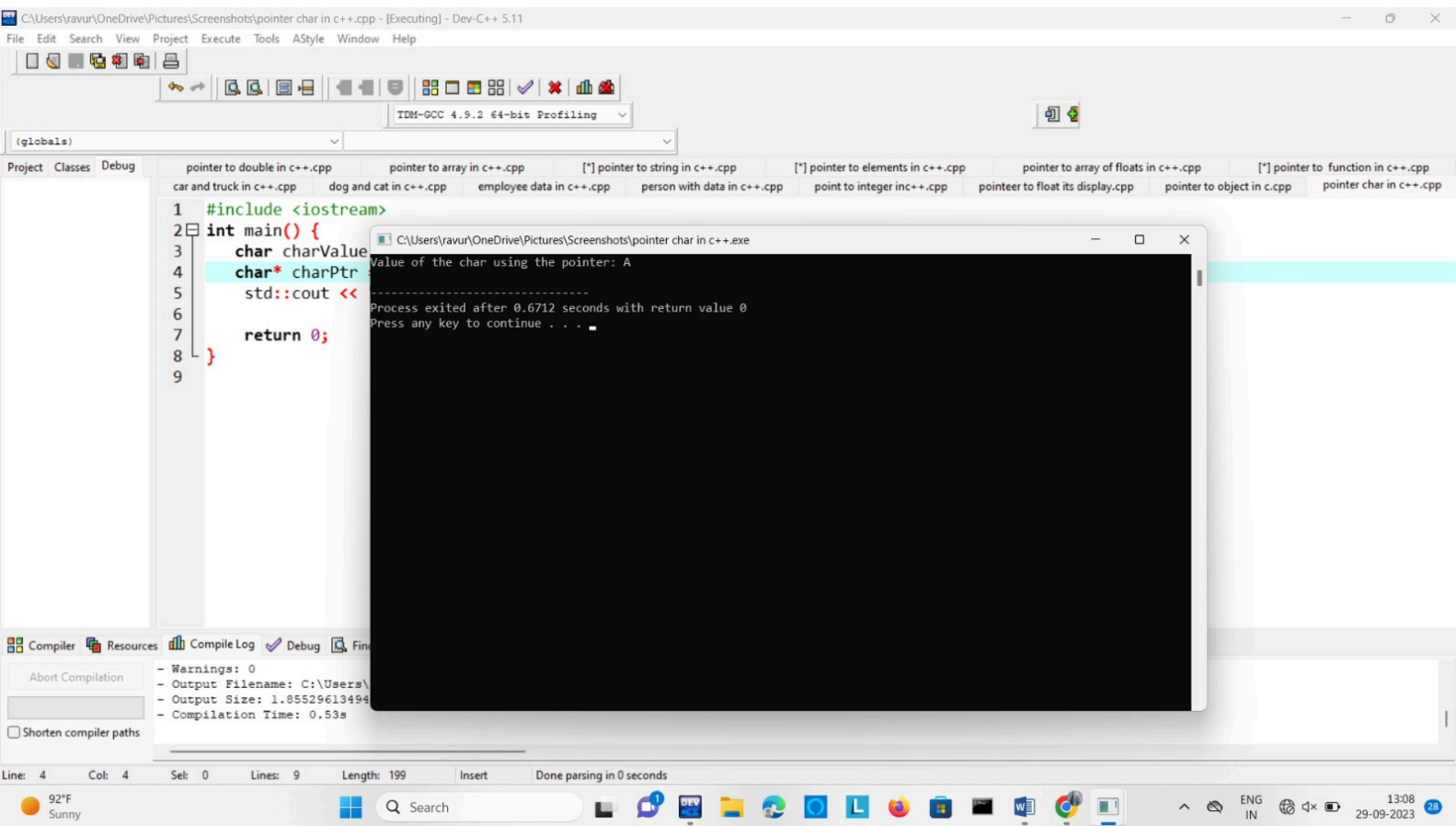
Compiler Output:

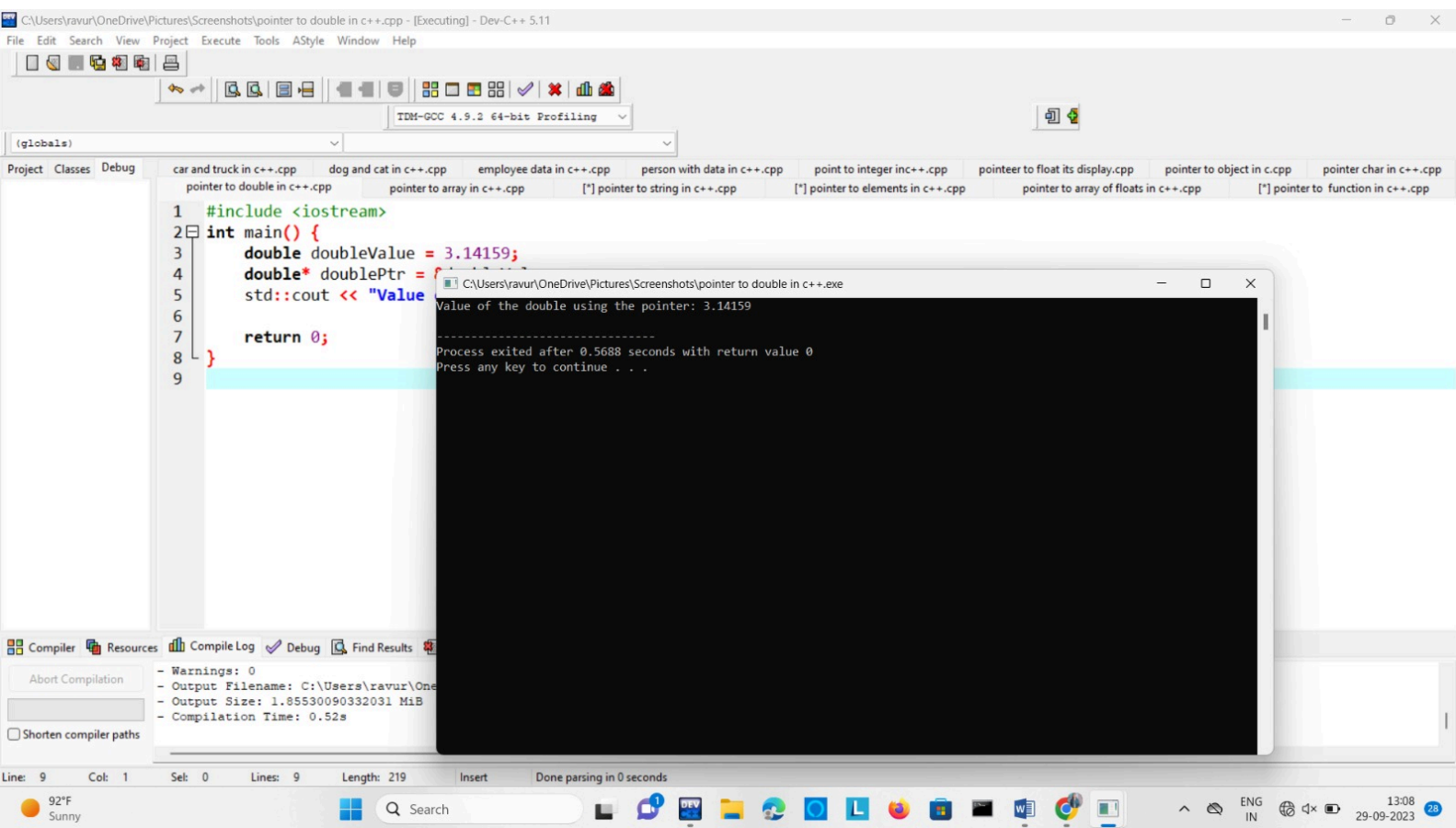
```
- Warnings: 0
- Output Filename: C:\Users\ravur\OneDrive\Pictures\Screenshots\pointer to object in c.exe
- Output Size: 1.85918426513672 MiB
- Compilation Time: 0.50s
```

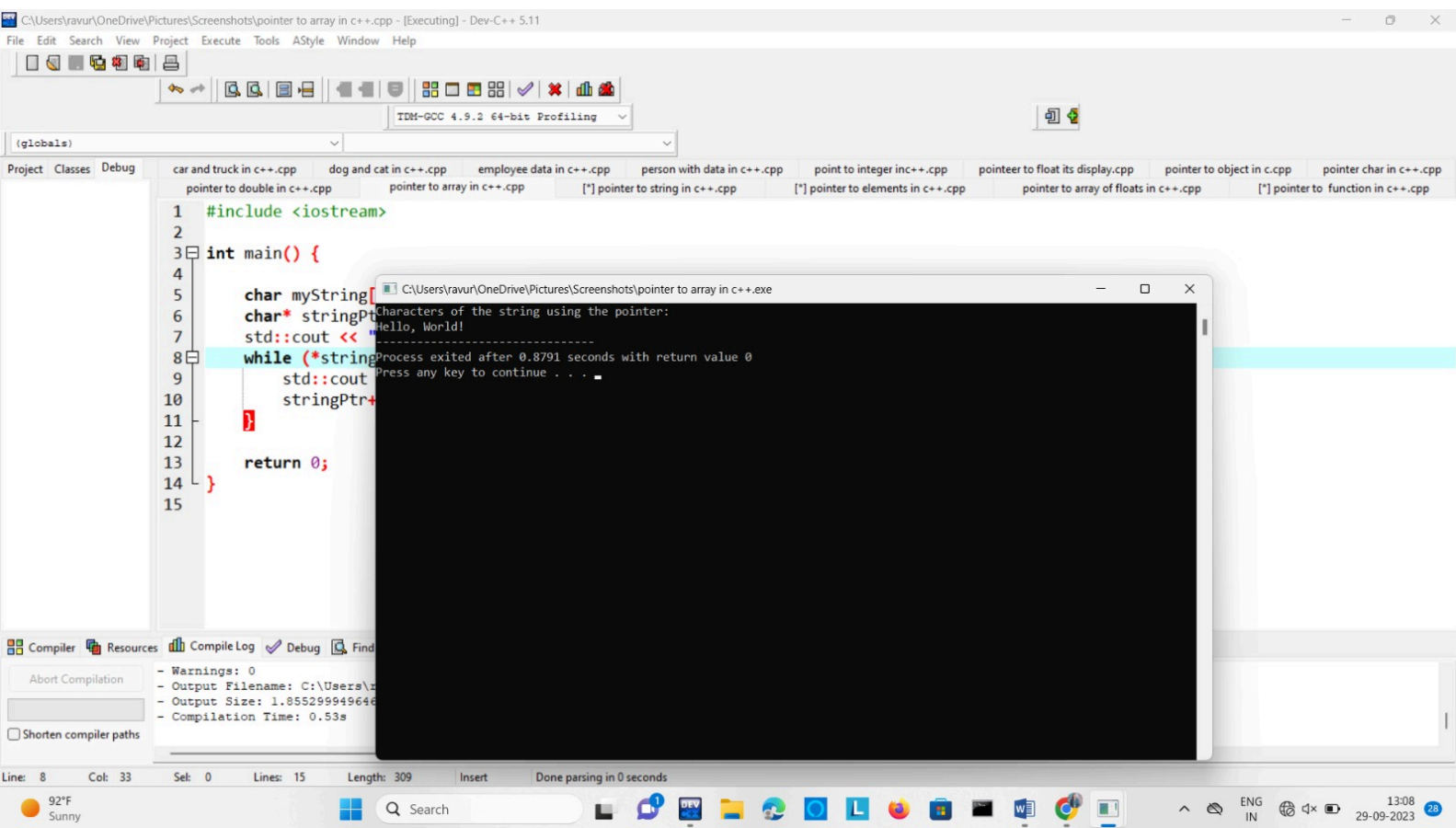
Compiler Options: ☐ Shorten compiler paths

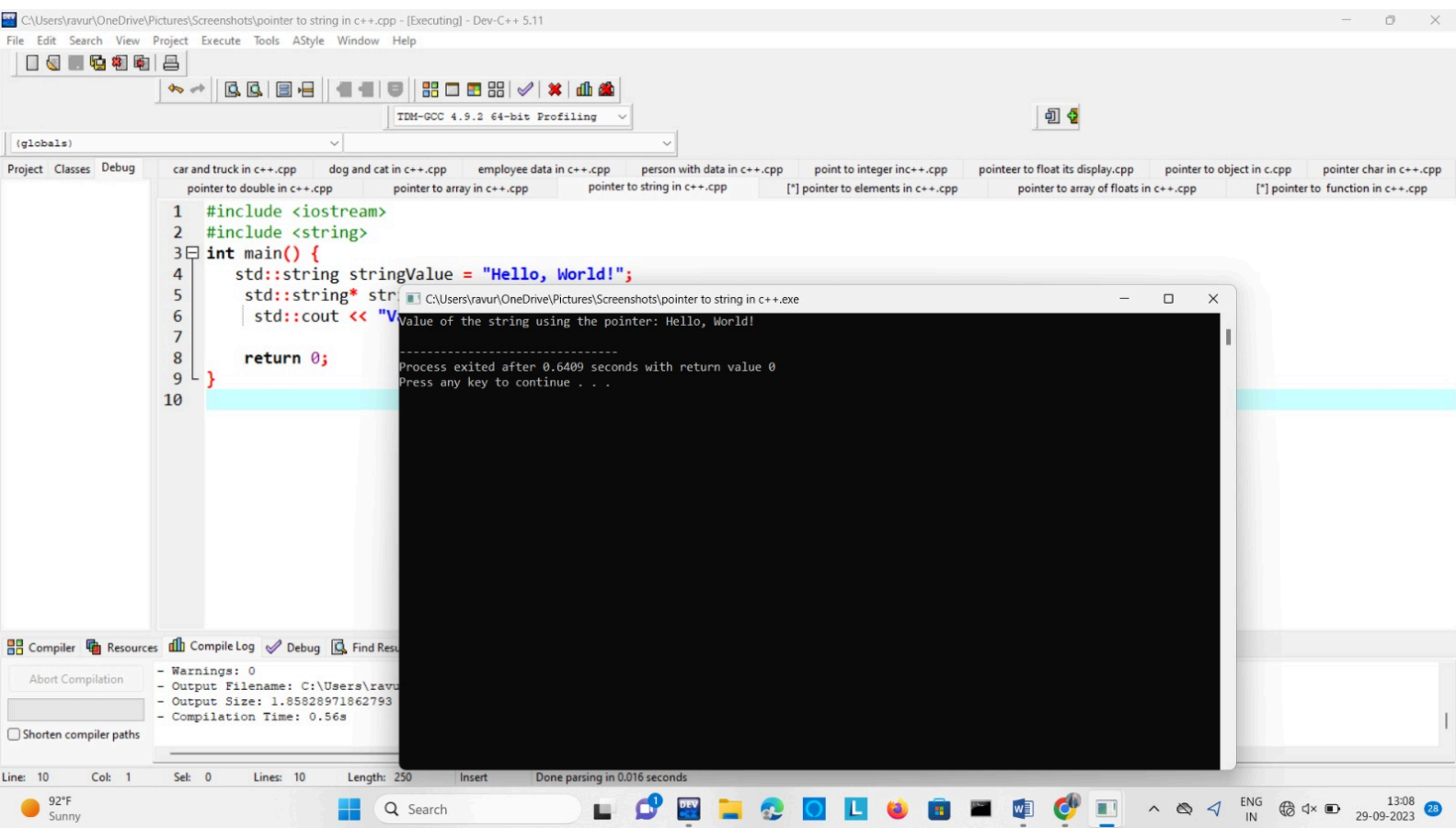
Status Bar: Line: 17 Col: 1 Sel: 0 Lines: 20 Length: 393 Insert Done parsing in 0 seconds

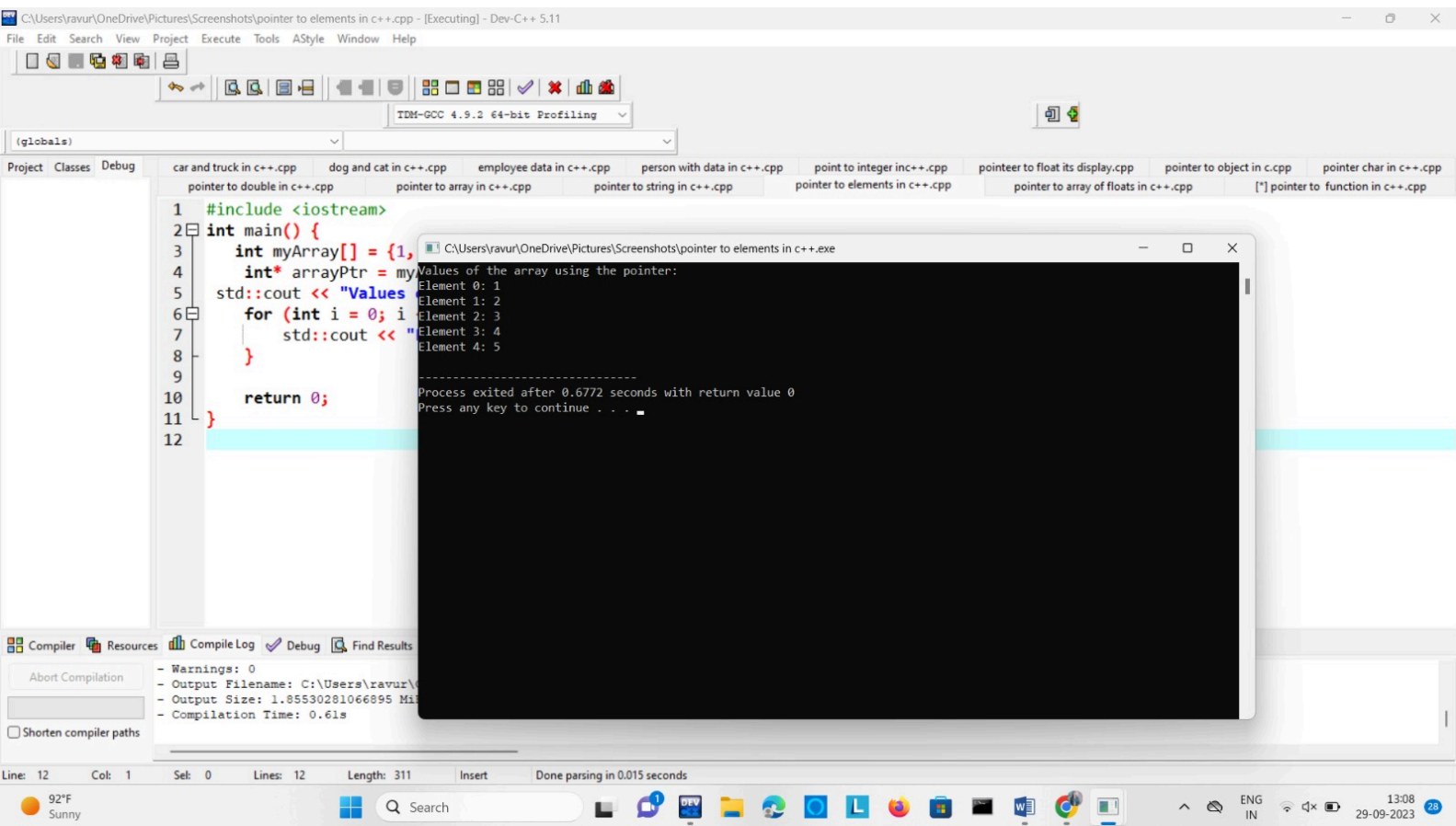
System Tray: 92°F Sunny, Search, Taskbar icons, 13:07 29-09-2023











C:\Users\ravur\OneDrive\Pictures\Screenshots\pointer to function in c++.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Profiling

(globals)

Project Classes Debug

car and truck in c++.cpp dog and cat in c++.cpp employee data in c++.cpp person with data in c++.cpp point to integer inc++.cpp pointer to float its display.cpp pointer to object in c.cpp pointer char in c++.cpp
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```
1 #include <iostream>
2 int add(int a, int b)
3 {
4     return a + b;
5 }
6 int main(){
7
8     int (*functionPtr)(int, int);
9     functionPtr = add;
10    int result = functionPtr(5, 7);
11    std::cout << "Result of the function call: " << result << endl;
12
13    return 0;
14 }
15
```

Result of the function call: 12

Process exited after 0.7511 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Warnings: 0

Output Filename: C:\Users\ravur\OneDrive\Pictures\Screenshots\pointer to function in c++.exe

Output Size: 1.85532474517822 MiB

Compilation Time: 0.95s

Shorten compiler paths

Line: 3 Col: 1 Sel: 0 Lines: 15 Length: 281 Insert Done parsing in 0.016 seconds

92°F Sunny

Search

ENG IN

13:09 29-09-2023

C:\Users\cteja\OneDrive\Documents\calling a function using ptrn.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

(globals)

Project Class calling a function using ptrn.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 int multiply(int a, int b) { return a * b; }
5
6 int main()
7 {
8     int (*func)(int, int);
9
10    // func is pointing to the multiplyTwoValues function
11
12    func = multiply;
13
14    int prod = func(15, 2);
15    cout << "The value of the product is: " << prod << endl;
16
17    return 0;
18 }
19
```

Compiler (3) Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler pat

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\cteja\OneDrive\Documents\calling a function using ptrn.exe
- Output Size: 2.98880577087402 MiB
- Compilation Time: 1.19s
```

Line: 1 Col: 2 Sel: 0 Lines: 19 Length: 316 Insert Done parsing in 0.531 seconds

C:\Users\cteja\OneDrive\Doc

The value of the product is: 30

Process exited after 0.05589 seconds with return value 0
Press any key to continue . . .